EMBEDDED SOLUTIONS

WiFi Modules and Chip Antennas

ACKme NETWORKS WALLABY WICED WI-FI NETWORKING MODULES

ACKme Networks AMW004 Wallaby WICED Wi-Fi Networking Module is a fully certified small form factor, low power WICED-based Wi-Fi networking module perfectly suited to deeply embedded applications for medium to high volumes. The module runs an embedded TCP/IP networking stack with SSL/TLS/HTTPS security and includes an onboard PCB trace antenna and u.FL connector all in a physical footprint of just 31.2mm x 17.8mm (1.25" x 0.7"). ACKme WiConnect firmware is pre-installed on all AMW004 modules. WiConnect is an intuitive and reliable serial Wi-Fi networking application that includes free (optional) support for cloud connectivity powered by Sensors.com.

Features:
* Standalone WICED Wi-Fi Networking module including an apps processor and on-board antenna
* Multiple serial interfaces: UART, SPI, I2C
* Sensors.com cloud API for remote device monitoring and control
* Ultra-low power mode for battery operation
* On-board TCP/IP stack includes SSL/TLS/HTTPS security
* Automatic or manual OTA upgrade
* Various Wi-Fi provisioning options including WPS and softAP/webserver

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ackme Networks Part No.	Dimensions (mm)	Freq. (GHz)	Data Rate (Mbps)	Transmit Power (dBm)	Supply Current (mA)		Antenna Connector Type	Protocol Supported	Operating Temperature (°C)	Price Each			
						Transmitting	Receiving				1	10	100	500
902-AMW004/S	AMW004/S	31.8 x 17.8 x 3.1	2.4	10	19	12.5	6.9	PCB, U.FL	802.11 b/g/n	-30 to +85	24.49	23.26	21.35	21.05
902-AMW004/T	AMW004/T	31.8 x 17.8 x 3.1	2.4	10	19	12.5	6.9	PCB, U.FL	802.11 b/g/n	-30 to +85	25.00	25.00	21.54	21.05
Evaluation Board		Description												
902-AMW004-E01	AMW004-E01	Snapper Wallaby Surface-Mounted on WICED SDK Evaluation Board									249.00	-	-	-
902-AMW004-E03	AMW004-E03	Mackerel Wallaby Surface-Mounted on WiConnect Evaluation Board									82.00	73.94	64.21	59.51

ACKme NETWORKS HORNET WICED WI-FI NETWORKING EVALUATION BOARDS

Features:
* Standalone WICED Wi-Fi Networking module including an apps processor and on-board antenna
* Multiple serial interfaces: UART, SPI, I2C
* Sensors.com cloud API for remote device monitoring and control
* Ultra-low power mode for battery operation
* On-board TCP/IP stack includes SSL/TLS/HTTPS security
* Automatic or manual OTA upgrade
* Various Wi-Fi provisioning options including WPS and softAP/webserver

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ackme Networks Part No.	Description	Price Each			
			1	10	100	500
902-AAE001	AAE001	Marlin Bare Bones WiConnect Evaluation Board (Does Not Come with Hornet Module)	53.00	46.79	39.70	34.47
902-AMW004-E02	AMW004-E02	Marlin Hornet, pluggable module adapter with WiConnect Evaluation Board	85.00	76.88	66.49	61.50

ACKme NETWORKS NUMBAT WICED WI-FI NETWORKING MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ackme Networks Part No.	Dimensions (mm)	Freq. (GHz)	Data Rate (Mbps)	Transmit Power (dBm)	Supply Current (mA)		Antenna Connector Type	Protocol Supported	Operating Temperature (°C)	Price Each			
						Transmitting	Receiving				1	10	100	500
902-AMW006/S	AMW006/S	20.32 x 15.24 x 3.1	2.4	10	19	11.4	5.7	PCB, U.FL	802.11b/g/n	-30 to +85	15.98	15.50	13.05	13.05

ACKme NETWORKS ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ackme Networks Part No.	Description	Price Each			
			1	10	100	500
902-ACA-1SSRPP-2400	ACA-1SSRPP-2400	1" Straight SMA-RP Antenna Plug	4.11	3.96	3.56	2.96
902-ACA-4HSRPP-2458	ACA-4HSRPP-2458	4" Hinged SMA-RP Antenna Plug	4.86	4.68	3.61	3.50
902-ACC-6SMRP2U	ACC-6SMRP2U	6" SMA-RP to UFL Coax Cable	4.08	3.93	3.53	2.94

antenova GPS RADIONOVA RF M10382 ANTENNA MODULE WITH U-BLOX 6

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Antenova Part No.	Description	Dimensions	Price Each	
237-M10382-A1	M10382-A1	GPS Radionova Antenna Module W/U-Blox 6 GPS	24.2mm x 9.9mm	19.73	18.25
237-M10382-K1	M10382-K1	Evaluation Kit for M1032-A1 Modules	24.2mm x 9.9mm	192.08	-

antenova GIGANOVA® WIRELESS ANTENNAS

gigaNOVA® External Antenna

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Antenova Part No.	Weight (gram)	Description	Price Each		
				1	10	100
237-2010B4844-01	B4844-01	7.1g	Titanis 2.4GHz Swivel SMA Antenna	30.30	28.02	23.93

gigaNOVA® Internal Snap-In Antennas

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Antenova Part No.	Weight (gram)	Description	Price Each		
				1	10	100
237-1020B5812-01	B5812-01	0.6g	Flavus 868/915 or Pentaband for 0.8mm PCB	4.60	4.11	3.36
237-1020B5812-04	B5812-04	0.6g	Flavus 868/915 or Pentaband for 1.6mm PCB	4.60	4.11	3.36

gigaNOVA® Internal SMD Chip Antennas

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Antenova Part No.	Weight (gram)	Dimensions L x W x H	Description	Price Each		
					1	10	100
237-3030A5645-01	A5645	0.5g	20.5 x 3.6 x 3.3mm	Mica 2.4GHz	3.93	3.51	2.87
237-3030A6111-01	A6111	0.3g	12.8 x 3.6 x 3.3mm	Comata 2.4GHz	3.34	2.99	2.45

antenova GIGANOVA® WIRELESS ANTENNAS (CONT.)

gigaNOVA® Internal SMD Chip Antennas

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Antenova Part No.	Weight (gram)	Dimensions L x W x H	Description	Price Each		
					1	10	100
237-A10194	A10194	0.2g	10.4 x 10.4 x 0.8mm	Mixtus Dual-Bnd 2.4/5GHz Wi-Fi	3.64	3.25	2.66
237-3030A5839-01	A5839	0.1g	12.8 x 3.9 x 1.1mm	Rufa 2.4GHz Left Feed	2.74	2.20	1.76
237-3030A5887-01	A5887	0.1g	12.8 x 3.9 x 1.1mm	Rufa 2.4GHz Right Feed	2.74	2.20	1.76
237-3030A6150-01	A6150	0.05g	6.1 x 3.9 x 1.1mm	Impexa 2.4GHz Left Feed	1.53	1.21	.938
237-A10192-L	A10192	<0.03g	4.0 x 3.0 x 1.1mm	Fusca 2.4GHz	1.45	1.15	.893
237-A10340	A10340	<2	27 x 8 x 3.2mm	Calvus Penta-band	4.60	4.11	3.36
237-A10315	A10315	2.5	40 x 10 x 3.2mm	Reflexus Penta-band	4.92	4.40	3.60

gigaNOVA® Internal SMD Chip Antennas Reference Boards

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Description	Price Each
237-RB-RUFA-LT	Rufa Left 2.4GHz	73.23
237-RB-RUFA-RT	Rufa Right 2.4GHz	73.23
237-RB-IMPEXA-LT	Impexa Left 2.4GHz	73.23

gigaNoVA® Internal GPS Antennas

Antenova offers high efficiency embedded GPS antennas suitable for handheld & portable device applications.

The new Brevis is a low profile, small footprint, high efficiency embedded GPS antenna for use in all GPS applications where small size and near omni-directional pattern is an advantage.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Antenova Part No.	Description	Price Each
237-RB-GPS-D	A10137-D	Reference Board for Co-planar GPS 1575MHz, Dongle	109.84
237-A10204-U1	A10204-U1	Reference Board for Brevis GPS 1575MHz	73.23

Embedded RF Wireless Products

Products may be RoHS compliant. Check mouser.com for RoHS status.

AMS RFID TRANSPONDER DEMO KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AMS Part No.	Description	Price Each
985-AS3980-QF_DK_ST	AS3980-QF_DK_ST	AS3980 3.3V, UART, USB Newton Demonstration Kit	359.41
985-AS3992DKRB-ARNIE	AS3992-DK-RB-ARNIE	AS3992 ARNIE USB Demonstration Kit	797.50
985-AS3993DKRB-FEMTO	AS3993-DK-RB-FEMTO	AS3993 SPI, USB 5V UHR Single Chip Reader System	518.75
985-SL13A-DK-STQFN16	SL13A-DK-STQFN16	SL13A 3V, USB NFC-based Smart Data Logger Demonstration Kit	60.00
985-SL900ADK-STQFN16	SL900A-DK-STQFN16	SL900A 3V, USB Smart EPC Sensor Tag Demonstration Kit	60.00

AMS RFID READER ICS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AMS Part No.	Package	Frequency (MHz)	Supply Voltage (Max.) (V)	ESD (kV)	Input Current (mA)	Function	Price Each
985-AS3910-BQFT-100	AS3910-BQFT-100	QFN-32	3.6	13.56	±2	100	Read Only	7.59
985-AS3953A-BWLM	AS3953A-BWLM	WLCSP-10	5.0	13.56	±2	100	Read only	2.38
985-AS3953A-BDFM	AS3953A-BDFM	MLPD-10	5.0	13.56	±2	100	Read only	3.12
985-AS3992-BQFP	AS3992BQFP	QFN-64	5.5	960	-	20	Read Only	52.81

Development Kit		Description	
985-AS3993-DK-FERMI	AS3993-DK FERMI	AS3993 Demonstration Reader	410.00

AMS RFID SENSOR TAGS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AMS Part No.	Memory	Supply Voltage (Max.) (V)	Operating Current (µA)	Function	Type	Operating Temp. (°C)	Price Each 1	10	100	500
985-SL13A-AQFM	SL13A-AQFM	8k-bit	3.6	200	Read/Write	HF/NFC	-40 to 125	4.61	3.70	3.04	2.73
985-SL900A-AQFM	SL900A-AQFM	9k-bit	3.6	200	Read/Write	EPC Gen2	-40 to 125	6.47	5.20	4.28	3.84

AMS LOW POWER RF WAKE-UP RECEIVER

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AMS Part No.	Package	Frequency (MHz)	Supply Voltage (Max.) (V)	Supply Current (µA)	Power Dissipation (mW)	Operating Temperature Range (°C)	Price Each 1	10	100	500
985-AS3930-BQFT	AS3930-BQFT	QFN-16	150	3.6	1.37	0.07	-40 to 85	4.58	3.68	3.03	2.72
985-AS3932-BTST	AS3932-BTST	TSSOP-16	150	1.7	1.7	0.07	-40 to 85	4.95	3.98	3.27	2.94
985-AS3933-BTST	AS3933-BTST	TSSOP-16	150	1.7	1.7	0.07	-40 to 85	5.24	4.21	3.46	3.10

Demonstration Kit		Description	Price Each
985-AS3933DEVSYSTEM	AS3933 DEV SYSTEM	9V, 125kHz, Wake-Up Transmitter Board for AS3933	247.50

AMS PROGRAMMER

MOUSER STOCK NO.	AMS Part No.	Description	Price Each
985-AS5000PROGRAMMER	AS5000-PROGRAMMER	Programmer for AS5000 Rotary Encoder Series	437.50

AMS BOX DRIVER

985-USB-BOX-V2	USB BOX V2	USB/IDC Socket Converter V2 Box Driver Evaluation Board	106.25

AMS LINEAR SMART STAGE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AMS Part No.	Package	Series	Operating Supply Voltage (V)	Resolution (µm)	Power (W)	Operating Temperature Range (°C)	Price Each
985-DK-M3-LS-18-6	DK-M3-LS-1.8-6	29x20x10mm	DK-M3	3.3	0.5	0.75	-30 to 70	1675.00

AMS FOCUS MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	AMS Part No.	Package	Series	Operating Supply Voltage (V)	Resolution (µm)	Lens Type	Price Each
985-DK-M3FS1815M1216	DK-M3-FS-1.8-1.5-M12/16	20x23x16mm	DK-M3	3.3	0.5	M16x1mm	900.00

IDT WIRELESS POWER RECEIVER AND EVALUATION BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IDT Part No.	Package	Output Voltage (Max.) (V)	Ouput Power (W)	Output Current (mA)	Application	Operating Temperature (°C)	Price Each 1	10	100
972-P9025A0NBGI	P9025A-0NBGI	VFQFPN-32	5	5	1000	Device Power Supply	-40 to 85	8.76	7.89	6.48

Evaluation Boards		Description	Price Each
972-P9023-EVK	P9023-EVK	IDTP9023 Enhanced Dual Mode Wireless Power Receiver Eval Board	236.30
972-P9024EVK	P9024-EVK	IDTP9024 CSP PMA Wireless Power Receiver Eval Board	276.88
972-P9120-EVAL	P9120-EVAL	IDTP9020 Wireless Power Receiver Eval Board	118.75

IDT WIRELESS POWER TRANSMITTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	IDT Part No.	Package	No. of Outputs	Input Voltage (Max.) (V)	Output Power (W)	Output Current (mA)	Supply Current (mA)	Topology	Operating Temperature (°C)	Price Each 1	10	100
972-P9035-0NTGI	P9035-0NTGI	TQFN-48	1	5.25	5	5	20	Half-Bridge	-40 to +85	8.93	8.04	6.61
972-P9035A-0NTGI	P9035A-0NTGI	TQFN-48	1	5.25	7.5	5	20	Full-Bridge	-40 to +85	8.93	8.04	6.61
972-P9038-0NDGI	P9038-0NDGI	VFQFPN-56	1	6.9	8	10	45	Full-Bridge	-40 to +85	12.24	11.02	9.06

Evaluation Board		Desicription	Price Each
972-P9036A-EVK	P9036A-EVK	IDTP9036A, 115kHz to 205kHz, I2C, Wireless Power Transmitter Eval Board	356.26

MAESTRO SIRFSTAR IV GPS MODULES

Specifications:
- Channels: 48
- Correlators: 400,000
- Frequency: LI - 1,575MHz
- Sensitivity:
  - Tracking: -163dBm
  - Navigation: -160dBm
  - Acquisition (cold start): -148dBm
- Position Accuracy (horizontal): < 2.5m CEP (autonomous), <2m CEP SBAS

- Interface: UART, SPI, I2C
- Supply Voltage: 3 to 3.6VDC, 1.7 to 1.9VDC
- Power Consumption:
  - Fully tracking: 47mW
  - Trickle Power Mode (1Hz): 8mW
  - SiRFaware™ Mode: 500µW
  - Hibernate Mode: 30µW

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Maestro Wireless Part No.	Fig.	Description	Dimensions L x W x H (mm)	Operating Temperature (°C)	Price Each
927-A2100-A	A2100-A	A	High sensitivity, low power, SMT GPS module with direct passive antenna support	15.2 x 15.2 x 2.4	-40 to 85	19.44
927-A2100-B	A2100-B	A	SiRF Star IV GPS rec flash mod 1.8V	15.24 x 15.24 x 2.4	-40 to 85	17.57
927-A2200-A	A2200-A	B	Single-sided SMT component with direct passive antenna support	14 x 10.2 x 2.5	-40 to 85	13.60
927-A2235-H	A2235-H	C	ROM-Based GPS Module with Antenna	17.8 x 16.5 x 7.1	-40 to 85	14.42
927-A5100-A	A5100-A	B	Compact, high sensitivity, concurrent GNSS module	15 x 10.2 x 2.5	-40 to 85	16.92

MAESTRO GPS EVALUATION BOARDS

Allows easy evaluation of Maestro Wireless GPS receiver modules by offering quick access to serial ports and the most important I/O lines of the module. For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Maestro Wireless Part No.	Description	Price Each
927-EVA2100-A	EVA2100-A	Evaluation Board for A2100-A	193.33
927-EVA2100-B	EVA2100-B	Evaluation Board for A2100-B	161.25
927-EVA2035-H	EVA2035-H	Evaluation Board for A2035-H	198.46
927-EVA2200-A	EVA2200-A	Evaluation Board for A2200-A	184.30
927-EVA2235-H	EVA2235-H	Evaluation Board for A2235-H	198.46
927-EVA5100-A	EVA5100-A	Evaluation Board for A5100-A	161.25

MAESTRO INDUSTRIAL CELLULAR DEVICE

Maestro 100 Evolution is the perfect solution for demanding M2M applications. Compact and fully featured, the Maestro 100evo series can easily be integrated into industrial application from electricity meters to intrusion alarms or vending machines.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Maestro Wireless Part No.	Description	Price Each
927-M100EVO-11B	M100evo-11B	GPRS quadband indust. modem - 100evo Series	183.00

ANAREN AIR Modules, Antennas, & Development Tools Anaren®

What'll we think of next?®

Wireless Solutions

Anaren

ANAREN INTEGRATED RADIO MODULES, ANTENNAS, AND DEVELOPMENT KITS

Leveraging Anaren's decades of experience in microwave and RF technology and Texas Instruments' world-renowned semiconductor technology, AIR offers you these top-level advantages:

Easy integration/implementation on existing, two-layer PCB
Virtually no RF engineering experience necessary
FCC Part 15 and Industry Canada RSS-210 compliant, with no additional "Intentional Radiator" certification required
Choose embedded or connectorized antenna
100% RF-tested in production
Low power consumption

Choice of frequencies to match your application:
A1101R04C: 433-434.4MHz FCC compliant; device operating range 400-450MHz
A1101R08A and A1101R08C: 868MHz
A1101R09A and A1101R09C: 902-928MHz
A2500R24A and A2500R24C: 2400-2483.5MHz
A2530E24AZ1: 2.4GHz
A2541R24A20GM
A2541R24C20GM: 2.4GHz

A1101R04C
The A1101R04C is a high-performance, FCC-certified connectorized radio module that incorporates the
Texas Instruments CC1101 transceiver chip in the industry's smallest package (9mm x 12mm x 2.5mm).

MOUSER STOCK NO.	Anaren Part No.	Description	Form Factor	Price Each
620-66089-0406	66089-0406	Antenna for Module 04C	-	1.94
620-A1101R04C00GM	A1101R04C00GM	400MHz Radio Only	Connector	14.45
620-A1101R04C-EM1	A1101R04C-EM1	400MHz Evaluation Module With Radio For TI CC1101DK	Connector	35.00

A1101R08A and A1101R08C
The A1101R08A/B are high-performance, ETSI compliant radio modules and connectorized radio modules that
incorporates the Texas Instruments CC1101 transceiver chip in the industry's smallest package (9mm x 16mm x 2.5mm).

MOUSER STOCK NO.	Anaren Part No.	Description	Form Factor	Price Each
620-A1101R08C00GM	A1101R08C00GM	800MHz Radio Only	Connector	14.45
620-A1101R08A00GM	A1101R08A00GM	800MHz Radio Only	Antenna	14.45
620-A1101R08A-EM1	A1101R08A-EM1	800MHz Evaluation Module With Radio For TI CC1101DK	Antenna	35.00
620-A1101R08A-EZ4A	A1101R08A-EZ4A	800MHz Target Board With Radio For TI EZ430 Development Kit	Antenna	35.00
620-A1101R08A-EZ4E	A1101R08A-EZ4E	800MHz Target Board With Radio For TI EZ430 Development Kit	Antenna	35.00
620-A1101R08C-EZ4E	A1101R08C-EZ4E	800MHz Target Board With Radio For TI EZ430 Development Kit	Connector	35.00

A1101R09A and A1101R09C
The A1101R09A/C are high-performance, FCC-certified radio modules and connectorized radio modules that incorporates
the Texas Instruments CC1101 transceiver chip in the industry's smallest package (9mm x 16mm x 2.5mm).

MOUSER STOCK NO.	Anaren Part No.	Description	Form Factor	Price Each
620-66089-0906	66089-0906	Antenna for Module 09C	-	2.64
620-A1101R09C00GM	A1101R09C00GM	900MHz Radio Only	Connector	14.45
620-A1101R09A00GM	A1101R09A00GM	900MHz Radio Only	Antenna	14.45
620-A1101R09C-EM1	A1101R09C-EM1	900MHz Evaluation Module With Radio For TI CC1101DK	Connector	35.00
620-A1101R09A-EZ4A	A1101R09A-EZ4A	900MHz Target Board With Radio For TI EZ430 Development Kit	Antenna	35.00
620-A1101R09A-EZ4E	A1101R09A-EZ4E	900MHz Target Board With Radio For TI EZ430 Development Kit	Antenna	35.00
620-A1101R09C-EZ4A	A1101R09C-EZ4A	900MHz Target Board With Radio For TI EZ430 Development Kit	Connector	35.00
620-A1101R09C-EZ4E	A1101R09C-EZ4E	900MHz Target Board With Radio For TI EZ430 Development Kit	Connector	35.00

A2500R24A and A2500R24C
The A2500R24A/B are high-performance, FCC-certified radio modules and connectorized radio modules that incorporates
the Texas Instruments CC2500 transceiver chip in the industry's smallest package (9mm x 12mm x 2.5mm).

MOUSER STOCK NO.	Anaren Part No.	Description	Form Factor	Price Each
620-66089-0906	66089-0906	Antenna for Module 24C	-	2.64
620-A2500R24C00GM	A2500R24C00GM	2400MHz Radio Only	Connector	14.45
620-A2500R24A00GM	A2500R24A00GM	2400MHz Radio Only	Antenna	14.45
620-A2500R24C-EM1	A2500R24C-EM1	2400MHz Evaluation Module With Radio For TI CC1101DK	Connector	35.00
620-A2500R24A-EM1	A2500R24A-EM1	2400MHz Evaluation Module With Radio For TI CC1101DK	Antenna	35.00
620-A2500R24A-EZ4A	A2500R24A-EZ4A	2400MHz Target Board With Radio For TI EZ430 Development Kit	Antenna	35.00
620-A2500R24A-EZ4E	A2500R24A-EZ4E	2400MHz Target Board With Radio For TI EZ430 Development Kit	Antenna	35.00

A2530E24AZ1 and A2530E24CZ1
The A2530E24AZ1/CZ1 is a high-performance, FCC & IC certified and ETSI-compliant radio module that incorporates the Texas Instruments
CC2530 SOC with a CC2591 Range Extender, and integral antenna, all in the industry's smallest package: 11 x 19 x 2.5 mm.

MOUSER STOCK NO.	Anaren Part No.	Description	Form Factor	Price Each
620-A2530E24AZ1GM	A2530E24AZ1GM	2.4GHz SOC Radio Module Range Ext.	Antenna	31.19
620-A2530E24CZ1GM	A2530E24CZ1GM	2.4GHz SOC Radio Module Range Ext.	Connector	31.19
620-A2530R24AZ1GM	A2530R24AZ1GM	2.4GHz SOC Radio Module	Antenna	23.11
620-A2530R24CZ1GM	A2530R24CZ1GM	2.4GHz SOC Radio Module	Connector	23.11
620-A2530E24A-LPZ	A2530E24A-LPZ	2.4GHz AIR Module Radio BoosterPack Kit for MSP430	Antenna	108.00
620-A2530R24A-LPZ	A2530R24A-LPZ	2.4GHz AIR Module Range Ext. BoosterPack Kit for MSP430	Connector	108.00

A2541R24C20GM and A2541R24A20GM
The A2541 Bluetooth Module is a surface-mount radio module that incorporates the TI ultra-low power CC2541 SoC, crystals, a PCB antenna
or U.FL connector, and a DC/DC converter all in a small (11x19x2.5mm) package.

MOUSER STOCK NO.	Anaren Part No.	Description	Form Factor	Price Each
620-A2541R24C20GM	A2541R24C20GM	2.4GHz SOC Radio Module	Connector	12.97
620-A2541R24A20GM	A2541R24A20GM	2.4GHz SOC Radio Module, Internal Antenna	Antenna	12.97
620-A2541R24A-ADB1	A2541R24A-ADB1	B-SMART BoosterPack, includes A2541R24A AIR Module, Based on TI CC2541	-	54.00

A8520E24A91
The A8520E24A9X is a high-performance, FCC-certified radio module that incorporates the Texas Instruments CC8520 PurePath
wireless audio SOC, 259X Range Extender, and integral antenna all in the industry's smallest package 11mm x 19mm x 2.5mm.

MOUSER STOCK NO.	Anaren Part No.	Description	Form Factor	Price Each
620-A8520E24A91GM	A8520E24A91GM	2.4GHz Range Extender, Internal Antenna	Antenna	29.50
620-A8520E24A91-EM2	A8520E24A91-EM2	2.4GHz Evaluation Board with Radio for TI CC8520DK Development Kit	Antenna	37.50

BALUN TRANSFORMERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Anaren Part No.	Package	Frequency (GHz)	Power (W)	Unbalanced Port Impedance (Ω)	Balanced Port Impedance (Ω)	Insertion Loss (dB)	Amplitude Balance (dB)	Phase Balance (deg.)	RL Unbalanced (dB)	Price Each			
											1	10	50	100
620-BD0205F5050AHF	BD0205F5050AHF	1608	0.2-0.5	2	50	50	1.1	0.6	3	11	4.39	4.05	3.71	3.38
620-B0310J50100AHF	B0310J50100AHF	0805	0.3-1	2	50	100	1	2.8	36	8.1	.55	.51	.47	.43
620-B0322J5050AHF	B0322J5050AHF	0805	0.3-2.2	2	50	50	1.6	1.2	20	12.2	.75	.69	.63	.58
620-B0430J50100AHF	B0430J50100AHF	0805	0.4-3	1	50	100	4	1.4	12	8.4	.75	.69	.63	.58
620-BD0810J50100AHF	BD0810J50100AHF	0805	0.8-1	2	50	100	0.95	0.4	2	13	.39	.36	.33	.30
620-BD0810J50200AHF	BD0810J50200AHF	0805	0.8-1	2	50	200	1	1.1	8	14.5	.39	.36	.33	.30
620-BD0826J50200AHF	BD0826J50200AHF	0805	0.8-2.6	2	50	200	1.5	1.3	7	8.5	.55	.51	.47	.43
620-B0809J50ATI	B0809J50ATI	0805	0.85-0.915	2	50	50	0.6	-	-	15.3	.55	.51	.47	.43
620-B0922N7575AHF	B0922N7575AHF	0404	0.95-2.15	0.75	75	75	0.76	2.1	20.95	13.2	.33	.30	.28	.25
620-B0922J7575A50HF	B0922J7575A50HF	0805	0.95-2.15	2	75	75	1.1	1.4	9	12	.55	.51	.47	.43
620-BD1631J50100AHF	BD1631J50100AHF	0805	1.6-3.1	2	50	100	1	1	5	10	.39	.36	.33	.30
620-BD2425N5050AHF	BD2425N5050AHF	0404	2.4-2.5	0.75	50	50	0.9	0.9	7	15	.33	.30	.28	.25
620-BD2425N100ATI	BD2425N100ATI	0404	2.4-2.5	1	50	matched	0.8	-	-	17.3	.33	.30	.28	.25
620-BD2425N50100AHF	BD2425N50100AHF	0404	2.4-2.5	1	50	100	0.7	0.6	3	18	.33	.30	.28	.25
620-BD2425N50200AHF	BD2425N50200AHF	0404	2.4-2.5	1	50	200	0.7	1	6	21	.33	.30	.28	.25

ANAREN Xinger® Baluns, Dividers, Couplers & Resistors **Anaren**®

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RoHS Compliant **This page of product is RoHS compliant.**

BALUN TRANSFORMERS (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Anaren Part No.	Package	Frequency (GHz)	Power (W)	Unbalanced Port Impedance (Ω)	Balanced Port Impedance (Ω)	Insertion Loss (dB)	Amplitude Balance (dB)	Phase Balance (°)	RL Unbalanced (dB)	Price Each 1	10	50	100
620-BD2425N50ATI	BD2425N50ATI	0404	2.4-2.5	1	50	127+j34	0.6	-	-	13	.33	.30	.28	.25
620-BD2425NNRF	BD2425NNRF	0404	2.4-2.5	1	50	matched	1.25	-	-	10.2	.33	.30	.28	.25
620-BD3150N50100AHF	BD3150N50100AHF	0404	3.1-5	1	50	100	0.9	1.3	7	16	.33	.30	.28	.25
620-BD4859N50100AHF	BD4859N50100AHF	0404	4.8-5.9	1	50	100	0.6	1.5	8	15	.33	.30	.28	.25
620-BD4859N5050AHF	BD4859N5050AHF	0404	4.8-5.9	1	50	50	0.7	1.2	7	16	.33	.30	.28	.25

POWER DIVIDERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Anaren Part No.	Package	Frequency (GHz)	Power (W)	Input/Output Impedance (Ω)	Insertion Loss (dB)	Amplitude Balance (dB)	Phase Balance (°)	Return Loss (dB)	Isolation (dB)	Price Each 1	10	50	100
620-PD6080J5050S2HF	PD6080J5050S2HF	0805	0.6-0.8	2	50/50	0.9	0.5	5	12	15	.59	.54	.50	.45
620-PD0922J7575D2HF	PD0922J7575D2HF	0805	0.9-2.15	2	75/75	1	0.7	3	9.5	14	.59	.54	.50	.45
620-PD0922J5050D2HF	PD0922J5050D2HF	0805	0.95-2.2	2	50/50	0.7	0.3	3	10.4	9	.59	.54	.50	.45
620-PD1722J5050D2HF	PD1722J5050D2HF	0805	1.7-2.2	2	50/50	0.7	0.3	3	11	17	.59	.54	.50	.45
620-PD1722J5050S2HF	PD1722J5050S2HF	0805	1.7-2.2	2	50/50	0.7	0.3	3	11	17	.59	.54	.50	.45
620-PD2328J5050S2HF	PD2328J5050S2HF	0805	2.3-2.8	2	50	50	0.3	2	15	17	.59	.54	.50	.45
620-PD2425N5050S2	PD2425N5050S2	0404	2.4-2.5	0.5	50	0.46	0.35	1.3	21	20	.59	.54	.50	.45
620-PD3150J5050S2HF	PD3150J5050S2HF	0805	3.1-5	2	50/50	1.3	0.4	2	6.8	13	.59	.54	.50	.45
620-PD4859J5050S2HF	PD4859J5050S2HF	0805	4.8-5.9	2	50/50	1	0.3	4	7.9	14	.59	.54	.50	.45

90° HYBRID COUPLERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Anaren Part No.	Package	Frequency (GHz)	Power (W)	Return Loss (dB)	Insertion Loss (dB)	Amplitude Balance (dB)	Phase Balance (°)	Isolation (dB)	Price Each 1	10	50	100
620-X3C07P1-03S	X3C07P1-03S	SMD	0.6-0.9	130	1.15	0.2	±0.25	4	23	2.68	2.41	2.14	1.93
620-C0810J5003AHF	C0810J5003AHF	0805	0.8-1	4	21	0.6	0.9	7	18	.62	.57	.52	.48
620-X3C09P1-03S	X3C09P1-03S	SMD	0.8-1	90	1.15	0.22	±0.2	4	23	2.68	2.41	2.14	1.93
620-X3C09P2-03S	X3C09P2-03S	SMD	0.8-1	187	1.15	0.2	±0.22	4	23	2.88	2.59	2.30	2.07
620-XC0900A-03S	XC0900A-03S	SMD	0.811-1	175	1.15	0.15	±0.2	2	23	3.20	2.88	2.56	2.30
620-C1720J5003AHF	C1720J5003AHF	0805	1.7-2	4	21	0.4	1	5	24	.62	.57	.52	.48
620-C2327J5003AHF	C2327J5003AHF	0805	2.3-2.7	4	15	0.4	0.9	8	18	.62	.57	.52	.48
620-C2023J5003AHF	C2023J5003AHF	0805	2-2.3	4	18	0.4	0.8	6	21	.62	.57	.52	.48
620-C3337J5003AHF	C3337J5003AHF	0805	3.3-3.7	4	15	0.3	1	7	18	.62	.57	.52	.48
620-XC1900A-03S	XC1900A-03S	SMD	14-15	150	1.15	0.08	0 to -0.4	2	23	3.20	2.88	2.56	2.30
620-X3C19P1-03S	X3C19P1-03S	SMD	14-15	90	1.3	20	±0.5	4	20	2.68	2.41	2.14	1.93
620-X3C21P1-03S	X3C21P1-03S	SMD	18-23	90	1.15	0.22	±0.22	4	23	2.68	2.41	2.14	1.93

DIRECTIONAL COUPLERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Anaren Part No.	Package	Frequency (GHz)	Power (W)	Insertion Loss (dB)	Mean Coupling (dB)	Directivity (dB)	Return Loss (dB)	Price Each 1	10	50	100
620-DC0710J5010AHF	DC0710J5010AHF	0805	0.7-1	2	0.21	10.9	20.1	17.5	.72	.66	.61	.55
620-DC0710J5020AHF	DC0710J5020AHF	0805	0.7-1	2	0.22	19.5	19.7	21.41	.72	.66	.61	.55
620-X3C09E2-20S	X3C09E2-20S	SMD	0.8-1	225	0.075	20	20	1.22	4.00	3.60	3.20	2.88
620-X3C09P2-30S	X3C09P2-30S	SMD	0.8-1	225	0.1	30.2	20	1.15	3.60	3.24	2.88	2.59
620-X3C19E2-20S	X3C19E2-20S	SMD	1.4-2.7	225	0.1	1.22	20	1.22	4.00	3.60	3.20	2.88
620-X3C19P2-30S	X3C19P2-30S	SMD	1.4-2.7	200	0.1	30.4	20	1.22	3.60	3.24	2.88	2.59
620-DC1722J5010AHF	DC1722J5010AHF	0805	1.7-2.2	2	0.22	15.2	22.6	29.2	.72	.66	.61	.55
620-DC1722J5015AHF	DC1722J5015AHF	0805	1.7-2.2	2	0.22	15.2	22.6	29.2	.72	.66	.61	.55
620-DC1722J5020AHF	DC1722J5020AHF	0805	1.7-2.2	2	0.17	19.9	21.4	22.5	.72	.66	.61	.55
620-X3C26P1-30S	X3C26P1-30S	SMD	2.3-2.9	200	0.1	30	20	1.15	3.60	3.24	2.88	2.59
620-DC2337J5010AHF	DC2337J5010AHF	0805	2.3-3.7	2	0.21	10.8	21.1	22.8	.72	.66	.61	.55
620-DC2337J5020AHF	DC2337J5020AHF	0805	2.3-3.7	2	0.14	21.3	14.9	21.2	.72	.66	.61	.55
620-DC4759J5020AHF	DC4759J5020AHF	0805	4.7-5.9	2	0.17	19.7	10.3	7.6	.72	.66	.61	.55

DOHERTY COMBINERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Anaren Part No.	Package	Frequency (GHz)	Power (W)	Insertion Loss (dB)	Amplitude Imbalance (dB)	Phase Imbalance (°)	Return Loss (dB)	Price Each 1	10	50	100
620-X3DC07E2S	X3DC07E2S	SMD	0.728-.768	200	0.15	±0.12	90±3	20	4.00	3.60	3.20	2.88
620-X3DC08E2S	X3DC08E2S	SMD	0.862-0.894	200	0.15	±0.12	90±3	20	4.00	3.60	3.20	2.88
620-X3DC09E2S	X3DC09E2S	SMD	0.92-0.96	200	0.15	±0.12	90±3	20	4.00	3.60	3.20	2.88
620-X3DC18E2S	X3DC18E2S	SMD	1.805-1.88	200	0.15	±0.12	90±3	20	4.00	3.60	3.20	2.88
620-X3DC21E2S	X3DC21E2S	SMD	2.11-2.17	200	0.15	±0.12	90±3	20	4.00	3.60	3.20	2.88

TERMINATORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Anaren Part No.	Package	Resistance (Ω)	Tolerance (%)	Power Rating (W)	Frequency (GHz)	Operating Temperature Range (°C)	Price Each 1	10	50	100
620-060120A15Z50-2	060120A15Z50-2	SMD	50	2	8	6	-55 to +125	3.72	3.10	2.79	2.48
620-C16A50Z4	C16A50Z4	SMD	50	2	16	4	-55 to +125	4.11	3.43	3.08	2.74
620-C150N50Z4	C150N50Z4	SMD	50	2	150	4	-55 to +125	7.56	6.30	5.67	5.04
620-C200N50Z4	C200N50Z4	SMD	50	2	200	2.2	-55 to +125	8.34	6.95	6.26	5.56

HIGH FREQUENCY RF RESISTORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Anaren Part No.	Package	Frequency (GHz)	Resistance (Ω)	Power Rating (W)	Tolerance (%)	Operating Temperature Range (°C)	Case Dimensions (in.) Height	Length	Width	Price Each 1	10	50	100
620-C1A101050R0J4A0	C1A101050R0J4A0	SMD	5	50	1	5	-55 to +150	0.01	0.042	0.037	13.80	12.61	11.18	10.71
620-R3C131350R0G4K0	R3C131350R0G4K0	SMD	12	50	1.25	2	-55 to +150	0.02	0.048	0.048	12.60	11.34	8.56	8.06
620-R1B131350R0F5BT	R1B131350R0F5BT	SMD	16	50	1	1	-55 to +150	0.015	0.05	0.05	14.06	12.78	9.90	9.10
620-R2B131350R0J5J0	R2B131350R0J5J0	SMD	16	50	1	5	-55 to +150	0.015	0.05	0.05	8.58	7.84	6.95	6.65
620-R2B131350R0J5L0	R2B131350R0J5L0	SMD	16	50	1	5	-55 to +150	0.015	0.05	0.05	7.28	6.65	5.89	5.64
620-R1A100550R0J5A0	R1A100550R0J5A0	SMD	17	50	0.5	5	-55 to +150	0.01	0.04	0.02	8.71	8.16	6.71	5.80
620-R1A100550R0J5C0	R1A100550R0J5C0	SMD	17	50	0.5	5	-55 to +150	0.01	0.04	0.02	8.93	8.16	7.23	6.93
620-C1K131350R0G4F2	C1K131350R0G4F2	SMD	17	50	2	2	-55 to +150	0.025	0.05	0.05	15.13	13.61	10.28	9.68
620-R2B130850R0J4J0	R2B130850R0J4J0	SMD	18	50	0.5	5	-55 to +150	0.015	0.05	0.03	9.63	8.78	7.80	7.47
620-R3A100550R0J5G0	R3A100550R0J5G0	SMD	18	50	0.5	5	-55 to +150	0.01	0.04	0.02	17.10	15.39	11.62	10.94
620-C3A110650R0K5K5	C3A110650R0K5K5	SMD	20	50	1	1	-55 to +150	0.01	0.046	0.025	13.89	12.69	11.25	10.76

BLUEGIGA Bluetooth, Wi-Fi Modules and Devices

bluegiga

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BLE112 4.0 LOW ENERGY BLUETOOTH MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	Price Each 1	25	50	100
603-BLE112-A0	BLE112-A	A	4.0	2	Integrated	Ti CC2540	Low Energy	13.95	13.60	13.05	12.60
603-BLE112-E	BLE112-E	B	4.0	2	Integrated	Ti CC2540	Low Energy	18.46	18.00	17.53	17.07
603-BLE121LR-A-M256K	BLE121LR-A-M256K	C	4.0	4	Chip Antenna	-	Long Range	19.80	19.45	18.60	17.95
USB Dongle											
603-BLED112	BLED112	D	4.0	2	Integrated	Ti CC2540	Low Energy	20.00	18.00	17.50	16.50
Development Kit			Description								
603-DKBLE112	DKEBLE112	-	4.0 Low Energy Bluetooth Development Kit fir BLE112 Module					199.00	-	-	-
603-DKBLE	DKBLE	E	DKBLE Development Kit (BLE121LR, BLE113-A, BLE113-A-M256K and BLE112 carrier boards, BLED112 USB Dongle, USB Cable, Documentation)					199.00	-	-	-

BLE113 4.0 BLUETOOTH SMART MODULE

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	1	25	50	100
603-BLE113-A	BLE113-A	F	4.0	2	Chip Antenna	TI CC2541	CC Debugger	13.95	13.60	13.05	12.60
603-BLE113-A-M256K	BLE113-A-M256K	F	4.0	2	Integrated	TI CC2541	Low Energy	13.95	13.60	13.05	12.60
Development Kit			Description								
603-DKBLE113	DKBLE113		Bluetooth / 802.15.1 Development Tools Class2 BT Smart Dev Kit for BLE113					199.00	-	-	-

WT41 LONG RANGE BLUETOOTH MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	Price Each 1	25	50	100
603-WT41-A-AI5	WT41-A-AI5	G	2.1 + EDR	1	Chip Antenna	-	iWRAP 5.0.0	32.00	31.50	30.00	29.00
603-WT41-E-AI5	WT41-E-AI5	-	2.1 + EDR	1	U.FL Antenna	-	iWRAP 5.0.0	35.00	33.87	32.81	32.31
Development Kit			Description								
603-EBWT41-A	EBWT41-A		WT41 Eval Board (One WT41 Eval Board, Onboard Installation Kit and serial cable)					235.00	-	-	-

WT32 BLUETOOTH AUDIO MODULES

WT32 is the latest generation of Bluetooth modules. It provides highest level of integration with integrated 2.4GHz radio, DSP, battery charger, stereo codec and antenna ready to hit mono and stereo applications. WT32 is also fully ready to support the latest Bluetooth 2.1 + EDR standard.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	1	25	50	100
603-WT32-A-AI3	WT32-A-AI3	H	2.1 + EDR	2	Chip Antenna	BlueCore-05 Multimedia	iWRAP 3.0.0	35.41	34.49	33.62	32.78
603-WT32-E-AI3	WT32-E-AI3	H	2.1 + EDR	2	W.FL Connector	BlueCore-05 Multimedia	iWRAP 3.0.0	23.60	22.99	22.41	21.85
603-WT32-A-AI5	WT32-A-AI5	H	2.1 + EDR	2	Chip Antenna	BlueCore-05	iWRAP 5.0.0	22.75	20.48	19.97	19.35
603-WT32-E-AI5	WT32-E-AI5	H	2.1 + EDR	2	W.FL Connector	BlueCore-05	iWRAP 5.0.0	22.75	20.48	19.97	19.35
603-WT32-A-AI5S	WT32-A-AI5S	H	2.1 + EDR	2	Chip Antenna	BlueCore-05	iWRAP 5.0.0	34.48	33.33	32.26	31.25
603-WT32-E-AI5S	WT32-E-AI5S	H	2.1 + EDR	2	W.FL Connector	BlueCore-05	iWRAP 5.0.0	34.48	33.33	32.26	31.25

WT32i - CLASS 1 BLUETOOTH 2.1 +EDR MODULES

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	Price Each 1	25	50	100
603-WT32I-A-AI6	WT32i-A-AI6	I	3.0	1	Chip Antenna	BlueCore-5 Multimedia	iWRAP 6.0.0	23.65	21.58	20.85	20.16
603-WT32I-A-AI6-APTX	WT32i-A-AI6-aptX	I	3.0	1	Chip Antenna	BlueCore-5 Multimedia	iWRAP 6.0.0	31.67	30.68	29.68	28.79
603-WT32I-E-AI6	WT32i-E-AI6	I	3.0	1	U.FL Antenna	BlueCore-5 Multimedia	iWRAP 6.0.0	23.65	21.58	20.85	20.16
Development Kit			Description								
603-DKWT32I-A	DKWT32i-A		WT32i Development Kit (one WT32 Eval Board, USB Cable and Firmware Programming Cable)					187.50	-	-	-

WT12 - CLASS 2 BLUETOOTH 2.1 + EDR MODULES

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Bluetooth Specification	Bluetooth Class	Antenna Option	Chip	Firmware	1	25	50	100
603-WT12-A-AI5	WT12-A-AI5	J	2.0 + EDR, 2.1 + EDR	2	Chip Antenna	BlueCore-04	iWRAP 5.0.0	18.64	17.07	16.64	16.04
603-WT12-A-AI4	WT12-A-AI4	J	2.0 + EDR, 2.1 + EDR	2	Chip Antenna	BlueCore-04	iWRAP 4.0.0	18.64	17.07	16.64	16.04
Development Kit			Description								
603-EBWT12-A	EBWT12-A		WT12 Evaluation Board (One WT12 Evaluation Board, power adapter and serial cable)					220.00	-	-	-

WF111 WI-FI RADIO MODULES

• IEEE802.11b/g/n • Max. Data Rate: 72.2Mbps • Dimensions: 12 x 19 x 2.1mm • SDIO Drivers for Linux 2.6 and 3.x kernels

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Antenna Option	Host Interfaces	Supply Voltage (V)	Price Each 1	25	50	100
603-WF111-A	WF111-A	K	Internal Antenna	SDIO, CSPI	1.8, 3.3	26.25	24.00	23.20	20.00
603-WF111-E	WF111-E	-	External Antenna Connector	SDIO, CSPI	1.8, 3.3	26.25	25.80	25.02	24.00
Development Board			Description						
603-DKWF111	DKWF111	L	SDIO Evaluation Board			228.57	-	-	-

WF121 WI-FI STAND ALONE MODULES

• IEEE802.11b/g/n • Max. Data Rate: 72.2Mbps • Dimensions: 15.4 x 26.2 x 2.1mm • Embedded Bluegiga Wi-Fi Software

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Antenna Option	Host Interfaces	Supply Voltage	1	25	50	100
603-WF121-A	WF121-A	M	Internal Antenna	UART, USB	2.7 - 3.6	30.00	27.00	25.00	24.00
603-WF121-E	WF121-E	-	External Antenna Connector	UART, USB	2.7 - 3.6	35.08	34.18	33.31	32.48
Development Kit			Description						
603-DKWF121	DKWF121	N	WF121 Development Kit			375.00	-	-	-

WT11I - CLASS 1 BLUETOOTH 2.1 +EDR MODULES

| MOUSER STOCK NO.	Bluegiga Part No.	Fig.		Antenna Option	Host Interfaces	Supply Voltage	1	25	50	100
603-WT11I-A-AI4	WT11I-A-AI4	O		Chip Antenna	UART, USB, GPIO	3.3	25.75	24.38	23.50	22.68
603-WT11I-A-AI5	WT11I-A-AI5	O		Chip Antenna	AIO, GPIO, SPI, UART, USB	3.3	25.75	24.38	23.50	22.68

BT111 BLUETOOTH SMART READY HCI MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Antenna Option	Host Interfaces	Supply Voltage (V)	Price Each 1	25	50	100
603-BT111-A-HCI	BT111-A-HCI	P	Integrated	Ethernet, I2C, SPI, UART, USB	5	20.00	19.40	18.90	18.40
Development Kit			Description						
603-DKBT111	DKBT111		BT111 Evaluation Board			180.00	-	-	-

APX4 WIRELESS SYSTEM-ON-MODULE

MOUSER STOCK NO.	Bluegiga Part No.	Fig.	Antenna Option	Host Interfaces	Supply Voltage	1	25	50	100
603-APX4-367CCA-5.0	APX4-367CC-A-5.0	Q	Integrated	I2C, PCM, USB	2.3 - 5.7	99.94	97.22	94.57	92.10
Development Kit			Description						
603-DKAPX4	DKAPX4		APX4 Development Kit			465.00	-	-	-
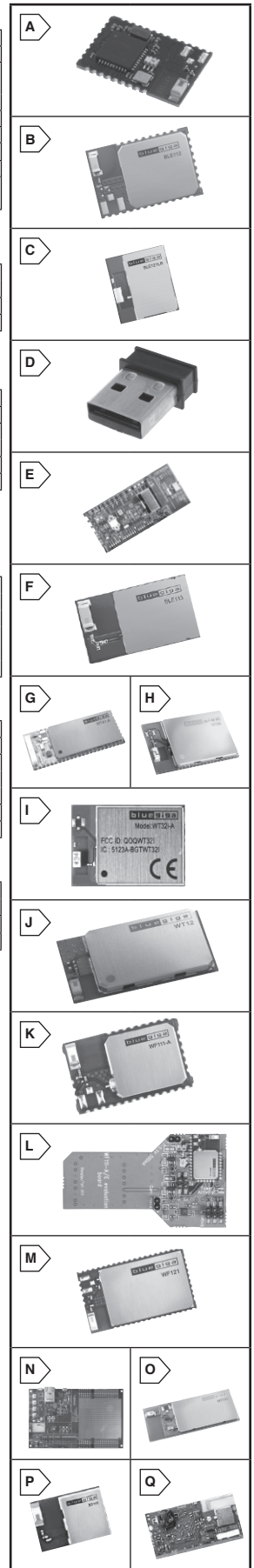
mouser.com/bluegiga-technologies   **M MOUSER ELECTRONICS**   **(800) 346-6873**

# DIGI INTERNATIONAL Embedded RF Wireless Products

Products may be RoHS compliant. Check mouser.com for RoHS status.

XBee Specifications:
- Indoor/Urban Range: Up to 133' (40m)
- Outdoor Line-of-Sight Range: Up to 400' (120m)
- Transmit Power: 1.25mW (+1dBm)
- Power-Down Current: <10µA
- Operating Frequency: 2.4GHz
- RF Data Rate: 250,000bps
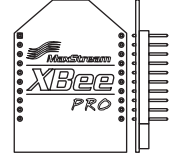- Receiver Sensitivity (1% PER) -96dBm in boost mode

RoHS Compliant
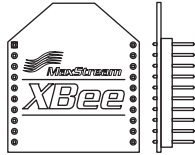
XBee-Pro Specifications:
- Indoor/Urban Range: Up to 300' (100m)
- Outdoor Line-of-Sight Range: Up to 2 miles (3200m)
- Transmit Power: 63mW (+18dBm)
- Power-Down Current: <10µA
- Operating Frequency: 2.4GHz
- RF Data Rate: 250,000bps
- Receiver Sensitivity (1% PER) -102dBm

RoHS Compliant

XBEE® & XBEE-PRO® ZB RF MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi International Part No.	Antenna Type	Transmit Current (mA)	Receive Current (mA)	Supply Voltage (VDC)	Price Each
XBee & XBee-PRO Coordinators & Router/End Devices						
888-XB24-Z7WIT-003	XB24-Z7WIT-003	Wire	35/45 @ 3.3VDC	47	2.7-3.6	17.00
888-XBP24-Z7WIT-003	XBP24-Z7WIT-003	Wire	205	47	2.7-3.6	34.00
888-XBP24-Z7UIT-001	XBP24-Z7UIT-001	U.FL	205	47	2.7-3.6	34.00
888-XBP24BZ7SIT-001	XBP24BZ7SIT-001	RPSMA	205	47	2.7-3.6	29.00
888-XBP24BZ7SIT-003	XBP24BZ7SIT-003	RPSMA	205	47	2.7-3.6	29.00
XBee ZB SMT - Programmable						
888-XB24CZ7RISB003	XB24CZ7RISB003	RF Pad	35/45 @ 3.3VDC	38/40 @ 3.3VDC	2.1-3.6	20.25
888-XB24CZ7PISB003	XB24CZ7PISB003	PCB	35/45 @ 3.3VDC	38/40 @ 3.3VDC	2.1-3.6	20.25
888-XB24CZ7UISB003	XB24CZ7UISB003	U.FL	35/45 @ 3.3VDC	38/40 @ 3.3VDC	2.1-3.6	20.25
XBee ZB SMT - Non-Programmable						
888-XB24CZ7PIS-004	XB24CZ7PIS-004	PCB	35/45 @ 3.3VDC	38/40 @ 3.3VDC	2.7-3.6	17.50
888-XB24CZ7RIS-004	XB24CZ7RIS-004	RF Pad	35/45 @ 3.3VDC	38/40 @ 3.3VDC	2.7-3.6	17.50
888-XB24CZ7UIS-004	XB24CZ7UIS-004	U.FL	35/45 @ 3.3VDC	38/40 @ 3.3VDC	2.7-3.6	17.50
XBee 802.15.4 Low Power						
888-XB24-API-001	XB24-API-001	PCB	35/45 @ 3.3VDC	50 @ 3.3V	2.8-3.4	19.00
888-XB24-AWI-001	XB24-AWI-001	Wire	35/45 @ 3.3VDC	50 @ 3.3V	2.8-3.4	19.00
888-XB24-AUI-001	XB24-AUI-001	U.FL	35/45 @ 3.3VDC	50 @ 3.3V	2.8-3.4	19.00
XBee-PRO Extended Range						
888-XBP24-BZ7PIT-004	XBP24BZ7PIT-004	PCB	205	47	2.7-3.6	28.00
888-XBP24BZ7PIT-004J	XBP24BZ7PIT-004J	PCB	205	47	2.7-3.6	28.00
888-XBP24-BZ7SIT-004	XBP24BZ7SIT-004	RPSMA	205	47	2.7-3.6	29.00
888-XBP24BZ7UIT-004	XBP24BZ7UIT-004	U.FL	205	47	2.7-3.6	28.00
888-XBP24-BZ7WIT-004	XBP24BZ7WIT-004	Wire	205	47	2.7-3.6	28.00
888-XBP24BZ7WIT-004J	XBP24BZ7WIT-004J	Wire	205	47	2.7-3.6	28.00
XBee-PRO Extended Range - Programmable						
888-XBP24BZ7PITB-003	XBP24BZ7PITB003	PCB	220	62	2.7-3.6	30.75
888-XBP24BZ7SITB-003	XBP24BZ7SITB003	RPSMA	220	62	2.7-3.6	30.75
888-XBP24BZ7UITB-003	XBP24BZ7UITB003	U.FL	220	62	2.7-3.6	30.75
888-XBP24BZ7WITB-003	XBP24BZ7WITB003	Wire	220	62	2.7-3.6	30.75
XBee-PRO 900HP - Programmable						
888-XBP9B-DMWTB002	XBP9B-DMWTB002	Wire	229	44	2.4-3.6	41.75
888-XBP9B-DMSTB002	XBP9B-DMSTB002	RPSMA	229	44	2.4-3.6	41.75
888-XBP9B-DMUTB002	XBP9B-DMUTB002	U.FL	229	44	2.4-3.6	41.75
XBee-PRO ZB SMT - Programmable						
888-XBP24CZ7RISB003	XBP24CZ7RISB003	RF Pad	220	62	2.7-3.6	31.25
888-XBP24CZ7PISB003	XBP24CZ7PISB003	PCB	220	62	2.7-3.6	31.25
888-XBP24CZ7UISB003	XBP24CZ7UISB003	U.FL	220	62	2.7-3.6	31.25
XBee-PRO ZB SMT -Non-Programmable						
888-XBP24CZ7PIS-004	XBP24CZ7PIS-004	PCB	205	47	2.7-3.6	28.50
888-XBP24CZ7RIS-004	XBP24CZ7RIS-004	RF Pad	205	47	2.7-3.6	28.50
888-XBP24CZ7UIS-004	XBP24CZ7UIS-004	U.FL	205	47	2.7-3.6	28.50
XBee-PRO 802.15.4 Extended Range						
888-XBP24-API-001	XBP24-API-001	PCB	35/45 @ 3.3V	50/55 @ 3.3V	2.8-3.4	32.00
888-XBP24-AWI-001	XBP24-AWI-001	Wire	35/45 @ 3.3VDC	50 @ 3.3V	2.7-3.6	32.00
888-XBP24-AUI-001	XBP24-AUI-001	U.FL	35/45 @ 3.3VDC	50 @ 3.3V	2.7-3.6	32.00
888-XBP24-AWI-080	XBP24-AWI-080	Wire	215 @ 3.3VDC	55 @ 3.3VDC	2.8-3.4	32.00

XBEE™ OEM RF MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi International Part No.	Antenna Type	Transmit Current (mA)	Receive Current (mA)	Supply Voltage (VDC)	Price Each
XBee 865LP Low Power RF						
888-XB8-DMRS-002	XB8-DMRS-002	RF Pad	48	27	2.7-3.6	23.00
888-XB8-DMUS-002	XB8-DMUS-002	U.FL	48	27	2.7-3.6	23.00
888-XB8-DPPS-001	XB8-DPPS-001	PCB	48	27	2.7-3.6	23.00
888-XB8-DPRS-001	XB8-DPRS-001	RF Pad	48	27	2.7-3.6	23.00
888-XB8-DPUS-001	XB8-DPUS-001	U.FL	48	27	2.7-3.6	23.00
XBee-PRO 868 RF						
888-XBP08-DPWIT-024	XBP08-DPWIT-024	Wire	500 @ 3.3V	65	3.0-3.6	45.00
860-XBP08-DPSIT-024	XBP08-DPSIT-024	RPSMA	500 @ 3.3V	65	3.0-3.6	45.00
888-XBP08-DPUIT-024	XBP08-DPUIT-024	U.FL	500 @ 3.3V	65	3.0-3.6	45.00
XBee-PRO 900HP (S3B)						
888-XBP9B-DMST-002	XBP9B-DMST-002	RPSMA	215	29	2.1-3.6	39.00
888-XBP9B-DMUT-002	XBP9B-DMUT-002	U.FL	215	29	2.1-3.6	39.00
888-XBP9B-DMWT-002	XBP9B-DMWT-002	Wire	215	29	2.1-3.6	39.00
888-XBP9B-DPST-001	XBP9B-DPST-001	RPSMA	215	29	2.1-3.6	39.00
888-XBP9B-DPUT-001	XBP9B-DPUT-001	U.FL	215	29	2.1-3.6	39.00
888-XBP9B-DPWT-001	XBP9B-DPWT-001	Wire	215	29	2.1-3.6	39.00
XBee-PRO XSC S3B 900MHz						
888-XBP9B-XCST-001	XBP9B-XCST-001	RPSMA	215	26	2.4-3.6	42.00
888-XBP9B-XCST-002	XBP9B-XCST-002	RPSMA	215	26	2.4-3.6	42.00
888-XBP9B-XCST-021	XBP9B-XCST-021	RPSMA	215	26	2.4-3.6	42.00
888-XBP9B-XCST-022	XBP9B-XCST-022	RPSMA	215	26	2.4-3.6	42.00
888-XBP9B-XCUT-001	XBP9B-XCUT-001	U.FL	215	26	2.4-3.6	39.00
888-XBP9B-XCUT-002	XBP9B-XCUT-002	U.FL	215	26	2.4-3.6	39.00
888-XBP9B-XCUT-021	XBP9B-XCUT-021	U.FL	215	26	2.4-3.6	39.00
888-XBP9B-XCUT-022	XBP9B-XCUT-022	U.FL	215	26	2.4-3.6	39.00
888-XBP9B-XCWT-001	XBP9B-XCWT-001	Wire	215	26	2.4-3.6	39.00
888-XBP9B-XCWT-002	XBP9B-XCWT-002	Wire	215	26	2.4-3.6	39.00
888-XBP9B-XCWT-021	XBP9B-XCWT-021	Wire	215	26	2.4-3.6	39.00
888-XBP9B-XCWT-022	XBP9B-XCWT-022	Wire	215	26	2.4-3.6	39.00
XBee DigiMesh 2.4 RF						
888-XB24-DMPIT-250	XB24-DMPIT-250	PCB	45	50	2.8-3.4	19.00

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DIGI INTERNATIONAL Embedded RF Wireless Products

XBEE TECHNOLOGY ACCESSORIES

MOUSER STOCK NO.	Digi Intl. Part No.	Description	Price Each
888-JF1R6-CR3-4I	JF1R6-CR3-4I	U.FL female to RPSMA female bulkhead - RG178	4.50
888-A24-HASM-450	A24-HASM-450	2.4GHz Half-wave articulated joint, RPSMA male	5.00
888-A24-HABUF-P5I	A24-HABUF-P5I	2.4GHz Half-wave antenna,	5.00
888-XBIB-U	XBIB-U	USB, XBee-PRO interface board	60.00
888-XBIB-U-DEV	XBIB-U-DEV	USB, XBee-PRO professional interface board	70.00
888-XKA2B-WFT-0	XKA2B-WFT-0	XBee Wifi S6B 2.4GHz U.FL Cloud Development Kit	161.25

XBEE® WI-FI EMBEDDED 802.11 MODULES

MOUSER STOCK NO.	Digi Intl. Part No.	Description	Antenna Type	OTA Data Rate (Mbps)	Interface	Supply Voltage (VDC)	Transmitting Current (mA)	Receiving Current (mA)	Price Each
888-XB2B-WFPS-001	XB2B-WFPS-001	Xbee Wi-Fi (S6B) PCB Ant SMT	PCB	72	SPI, UART	3.14-3.46	309	100	35.00
888-XB2B-WFPT-001	XB2B-WFPT-001	Xbee Wi-Fi (S6B) PCB Ant Thru-Hole	PCB	72	SPI, UART	3.14-3.46	309	100	35.00
888-XB2B-WFRS-001	XB2B-WFRS-001	Xbee Wi-Fi (S6B) RF Pad Ant SMT	RF Pad	72	SPI, UART	3.14-3.46	309	100	35.00
888-XB2B-WFST-001	XB2B-WFST-001	Xbee Wi-Fi (S6B) RPSMA Ant Thru-Hole	RPSMA	72	SPI, UART	3.14-3.46	309	100	35.00
888-XB2B-WFUS-001	XB2B-WFUS-001	Xbee Wi-Fi (S6B) U.FL Ant SMT	U.FL	72	SPI, UART	3.14-3.46	309	100	35.00
888-XB2B-WFUT-001	XB2B-WFUT-001	Xbee Wi-Fi (S6B) U.FL Ant Thru-Hole	U.FL	72	SPI, UART	3.14-3.46	309	100	35.00
888-XB2B-WFWT-001	XB2B-WFWT-001	Xbee Wi-Fi (S6B) Wire Ant Thru-Hole	Wire	72	SPI, UART	3.14-3.46	309	100	35.00

XBEE-PRO™ ZIGBEE/802.15.4 RF MODEMS

MOUSER STOCK NO.	Digi Intl. Part No.	Frequency	OTA Data Rate	Interface	Accessories	Price Each
888-XBP24-PKC-001-UA	XBP24-PKC-001-UA	2.4GHz Xbee	256000	USB	Yes	119.00
888-XBP24-PKI-001-RA	XBP24-PKI-001-RA	2.4GHz Xbee	256000	RS232	Yes	119.00

XBEE® & XBEE-PRO® 802.15.4 ADAPTERS

MOUSER STOCK NO.	Digi Intl. Part No.	Frequency	Transmit Power Outlet	Interface	RF Data Rate	Price Each
XBee 802.15.4 Adapters						
888-XA-A14-CS3R	XA-A14-CS3R	2.4GHz (ISM)	1mW	RS485	250000bps	69.00
888-XA-A14-CS2R	XA-A14-CS2R	2.4GHz (ISM)	1mW	RS485	250000bps	69.00
888-XA-A14-CS1R	XA-A14-CS1R	2.4GHz (ISM)	1mW	RS485	250000bps	69.00
888-XA-A14-CS4R	XA-A14-CS4R	2.4GHz (ISM)	1mW	RS485	250000bps	69.00
XBee-PRO 802.15.4 Adapters						
888-XA-A14-CS3P	XA-A14-CS3P	2.4GHz (ISM)	60mW	RS485	250000bps	79.00
888-XA-A14-CS2P	XA-A14-CS2P	2.4GHz (ISM)	60mW	RS232	250000bps	79.00
860-XA-A14-CE1P	XA-A14-CE1P	2.4GHz (ISM)	60mW	USB	250000bps	79.00
888-XA-A14-CS4P	XA-A14-CS4P	2.4GHz (ISM)	60mW	Digital	250000bps	79.00

XSTREAM™ OEM RF MODULE

XStream OEM Modules

MOUSER STOCK NO.	Digi Intl. Part No.	Frequency	Transmit Power Outlet	Antenna	RF Data Rate	Price Each
888-X24-009WNC	X24-009WNC	2.4GHz - XStream	50mW transceiver	3" wire antenna	600bps	102.00
888-X24-009NMC	X24-009NMC	2.4GHz - XStream	50mW transceiver	MMCX	600bps	104.00
888-X24-009WNI	X24-009WNI	2.4GHz - XStream	50mW transceiver	3" wire antenna	600bps	118.00
888-X24-009NMI	X24-009NMI	2.4GHz - XStream	50mW transceiver	MMCX	600bps	120.00

XStream PKG Product

MOUSER STOCK NO.	Digi Intl. Part No.	Frequency	OTA Data Rate	Interface	Accessories	Price Each
888-X24-019-DK	X24-019-DK	2.4GHz - Xstream	19200	RS232	Yes	409.00
888-X24-009PKI-RA	X24-009PKI-RA	2.4GHz - Xstream	9600	RS232	Yes	214.00
888-X24-019PKI-RA	X24-019PKI-RA	2.4GHz - Xstream	19200	RS232	Yes	214.00

XTEND™ OEM RF MODULE

XTend Technology Development Kits

MOUSER STOCK NO.	Digi Intl. Part No.	Accessories	Price Each
888-XT09-DK	XT09-DK	915MHz, 1W, 115Kbps, MMCX and RPSMA connector	499.00
888-XT09-DK-MESH	XT09-DK-MESH	900MHz, 1W, 115Kbps, (2) MMCX and (2) RPSMA connector, with mesh	899.00

XTend OEM Modules

MOUSER STOCK NO.	Digi Intl. Part No.	Frequency	OTA Data Rate	Interface	Accessories	Price Each
North America Only						
888-XT09-SI	XT09-SI	900MHz - XTend	1W transceiver	RPSMA or MMCX connector	115000bps	179.00
888-XT09-MI	XT09-MI	900MHz - XTend	1W transceiver	RPSMA or MMCX connector	115000bps	179.00
International, No AES Encryption						
888-XT09-SI-NA	XT09-SI-NA	900MHz - XTend	1W transceiver	RPSMA or MMCX connector	9600bps	179.00
International with Accessories, No AES Encryption						
888-XT09-PKI-RA-NA	XT09-PKI-RA-NA	900MHz - XTend	1W transceiver	RS232/485	9600bps	299.00
Australia and Israel						
888-XTH9-SI-128	XTH9-SI-128	900MHz - XTend	1W transceiver	RPSMA or MMCX connector	-	179.00
888-XTH9-MI-128	XTH9-MI-128	900MHz - XTend	1W transceiver	RPSMA or MMCX connector	-	179.00

XTend PKG Product

MOUSER STOCK NO.	Digi Intl. Part No.	Frequency	OTA Data Rate	Interface	Accessories	Price Each
888-XT09-PKC-UA-NA	XT09-PKC-UA-NA	900MHz- XTend	9600	USB	Yes	299.00
888-XT09-PKI-RA-NA	XT09-PKI-RA-NA	900MHz- XTend	9600	RS232	Yes	299.00
888-XT09-PKC-UA	XT09-PKC-UA	900MHz- XTend	9600	USB	Yes	299.00
888-XT09-PKI-RA	XT09-PKI-RA	900MHz- XTend	9600	RS232	Yes	299.00

9XTEND INTERFACE BOARDS

| MOUSER STOCK NO.	Digi Intl. Part No.	Description	Price Each
888-XTIB-R	XTIB-R	1W RS-232/485 interface board (9XTend)	80.00
888-XTIB-U	XTIB-U	1W USB interface board (9XTend)	80.00

DLP DESIGN RFID and ZigBee™ Modules

Products may be RoHS compliant. Check mouser.com for RoHS status.

USB/MICROCONTROLLER MODULE

The DLP-2232MSPF combines the same USB interface used in the DLP-2232H and the DLP-1232H modules with a Texas Instruments microcontroller with internal FRAM to form a rapid development tool. The MSP430FR5739 microcontroller is preprogrammed with basic functionality for accessing the port pins and can be reprogrammed with user firmware via a 12-pin header using the MSP-FET430UIF device programmer/debugger (purchased separately).

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each 1	10
626-DLP-2232MSPF	DLP-2232MSPF	USB Interface Microcontroller Module	59.95	58.29
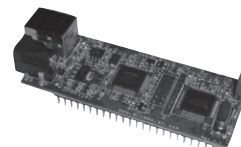
NFC/RFID BOOSTERPACK RFID READER/WRITER

RF430BP

DLP-RF430BP BoosterPack is used to demonstrate the capabilities of the Texas Instruments RF430CL330H Dynamic NFC Interface Transponder and help aid in the development process by providing a working hardware/firmware reference example for NFC operations. This BoosterPack demonstrates a secure, simplified pairing process for Bluetooth® and Wi-Fi connections with the only dynamic NFC tag device designed specifically for NFC connection handover and service-interface functions. DLP-RF430BP BoosterPack is an add-on board designed to fit TI's MCU LaunchPads.

Features:
- Texas Instruments RF430CL330H, Rev D Silicon
- ISO14443B Compliant
- 13.56MHz RF Interface Supports up to 848 Kbps
- NFC Tag Type 4 Compliant
- 3K SRAM Bytes Available for NDEF Message Storage
- Automatic Checking of NDEF Structure
- Interrupt to Indicate End of Read or End of Write
- Onboard Antenna or Optional External Antenna Connection (Remove R2 and R3)
- Operational Power Supplied by the LaunchPad (Purchased Separately)

RF430BP

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each
626-DLP-RF430BP	DLP-RF430BP	BoosterPack for RF430CL330H MCU Launchpad	10.95
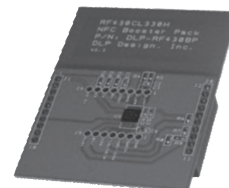
7970ABP

The DLP Design NFC/RFID BoosterPack (DLP-7970ABP) is an add-on board designed to fit all of TI's MCU LaunchPads. This BoosterPack allows the software application developer to get familiar with the functionalities of TRF7970A Multi-Protocol Fully Integrated 13.56MHz NFC/ HF RFID IC on their Texas Instruments Embedded microcontroller platform of choice without having to worry about developing the RF section.

Features:
- 13.56MHz HF RFID Reader/Writer
- NFCIP-1 (ISO/IEC 18092) and NFCIP-2 (ISO/IEC 21481)
- Compatible with the NFCLink Library, MSP-EXP430G2X LaunchPad, MSP-EXP430F5529LP LaunchPad
- On-Board Antenna
- Compatible with the C2000 LaunchPad, TIVA C Series LaunchPad, Hercules LaunchPad
- FCC/IC Approvals in Place
- Supports ISO 15693, 18000-3, 14443A/B and FeliCa
- Operational Power Supplied by the LaunchPad
- RFID/NFC Reader, NFC Peer or Card-Emulation Mode

7970ABP

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each
626-DLP-7970ABP	DLP-7970ABP	NFC/RFID Boosterpack for MCU Launchpads	25.00
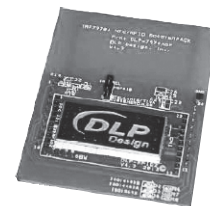
RFID1 RFID READER/WRITER

The DLP-RFID1 is a low-cost, USB-powered module for reading from and writing to ISO 15693, ISO 18000-3, and Tag-it™ intelligent RFID transponder tags. It has the ability to both read and write up to 256 bytes of data in addition to reading the unique identifier (UID/SID). All of the DLP-RFID1's electronics and antenna reside within the compact unit, and all operational power is taken from the host PC via the USB interface. The range of the internal antenna is up to 4 inches depending upon the size of the tag being read.

OEM Version

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each 1	10
626-DLP-RFID1-OG	DLP-RFID1-OG	OEM Board Only	94.50	89.50

RFID2 AND RFID2D RFID READER/WRITER

The DLP-RFID2 and DLP-RFID2D are low-cost, compact RFID products for reading from and writing to HF RFID transponder tags via an internal or external antenna. They have the ability to both read and write data in addition to reading the unique identifier (UID). All of the DLP-RFID2's and RFID2D's electronics reside on a single, compact PCB, and all operational power is taken from one 3.0- to 5.0-volt supply. An external antenna can be connected to the DLP-RFID2 via a standard u.fl connector or IO pin/pads.

DLP-RFID2D

DLP-RFID2

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each 1	5
626-DLP-RFID2	DLP-RFID2	RFID SMT Module 13.56MHz Read/Write	34.95	34.95
626-DLP-RFID2D	DLP-RFID2D	RFID USB Dongle	69.95	68.01
626-DLP-RFID2-EDK	DLP-RFID2-EDK	DLP-RFID2 Development Kit	299.95	-

RFID-LP8C 8-CHANNEL RFID READER/WRITER

The DLP-RFID-LP8C is a low-cost, USB-powered module for reading from and writing to ISO 15693, ISO 18000-3 and Tag-it™ intelligent RFID transponder tags via up to eight external antennas. It has the ability to both read and write up to 256 bytes of data in addition to reading the unique identifier (UID/SID). All of the DLP-RFID-LP8C's electronics reside on a single, compact PCB; and all operational power is taken from the host Windows/Windows CE/Linux PC via the USB interface. Up to eight external antennas can be connected via standard SMA connectors.

DLP-RFID-LP8C

Features:
- ISO 15693, 18000-3, 14443, Tag-it™ HF-I Compatible
- Can read the UID/SID of up to 15 Tags Simultaneously
- 13.56MHz Reader/Writer
- 8 Channels for External Antenna Connections
- FCC/IC/CE Modular Approvals in Place
- USB Port Powered from Windows, CE or Linux PC
- Both USB and RS232 Interfaces Provided
- USB Interface; No Driver Development Required for Windows, CE or Linux PC
- Operating Temperatures: 0°C to 70°C
- Dimensions: (L x W x H) 4.36" x 3.32" x 0.6

DLP-RFID-ANT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each
626-DLP-RFID-LP8C	DLP-RFID-LP8C	8-channel RFID reader	199.95
626-DLP-RFID-ANT	DLP-RFID-ANT	Round Antenna with Coax, with 15-foot cable	39.95
626-DLP-FANT	DLP-FANT	Ferrite Antenna, DLP-COAX1 needed	19.95
626-DLP-COAX1	DLP-COAX1	Coax with RPSMA connector	16.95
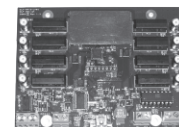
RF and ZigBee™ Wireless Solutions and Kits

FREESCALE RF POWER FIELD EFFECT MOSFETS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Case	VDSS (V)	POUT (W)	f (MHz)	VSWR@ 50Vdc, 230 MHz	V(BR)DSS (V) (Min.)	IDSS (μA) (Max.)	Gps (Typ.)	ηD (Typ.)	IRL (dB)	Price Each 1	Price Each 25
841-MRFE6VP6300HR5	MRFE6VP6300HR5	465M	50	300	130	65:1	125	5	25	80	-15	102.06	84.23
841-MRFE6VP61K25HR5	MRFE6VP61K25HR5	NI-1230	50	1250	230	65:1	125	10	22.9	74.6	-15	299.03	272.88

FREESCALE ZIGBEE WIRELESS SOLUTIONS
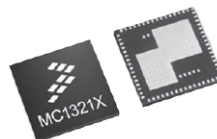
MC1320x Generation II Transceiver

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Channels	Package	Supply Voltage (V)	Frequency Band (GHz)	Serial Interface	Application	Communication Protocol	Price Each 1	Price Each 25	Price Each 100
841-MC13201FC	MC13201FC	16	1311 (QFN 32)	2 to 3.4	2.4	SPI	2.4GHz ISM	SIMPLE MAC	5.35	4.30	3.91

MC1321x Family of System in a Package (SiP)

Features:
* 802.15.4 Standard compliant on-chip transceiver/modem
* 16 selectable channels
* Supports single 16 MHz crystal clock source operation or dual crystal operation
* Support for SMAC, IEEE 802.15.4 Standard-Compliant MAC, SynkroRF, BeeStack, BeeStack Consumer (ZigBee RF4CE) software solutions

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Channels	Package	Supply Voltage (V)	Frequency Band (GHz)	MCU Memory	Application	Communication Protocol	Price Each 1	Price Each 25	Price Each 100
841-MC13212	MC13212	16	LGA, 71-pin	2 to 3.4	2.4	32KB	2.4GHz ISM, 802.15.4	IEEE 802.15.4	8.05	6.60	5.95
841-MC13213	MC13213	16	LGA, 71-pin	2 to 3.4	2.4	60KB	2.4GHz ISM, ZIGBEE	IEEE 802.15.4 or BeeStack	8.80	7.21	6.51

FREESCALE ZIGBEE DEVELOPMENT KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Freescale Part No.	Description	Price Each
841-1320XRFC	1320XRFC	MC1320x RF Daughter Card	79.00
841-1322XDSK-DBG	1322XDSK-DBG	1322x Developer's Starter Kit with J-LINK	379.00
841-1322XNSK-DBG	1322XNSK-DBG	1322x Network Starter Kit with J-LINK	579.00
841-13226PRO-DBG	13226PRO-DBG	13226 Zigbee Pro Kit	699.00
841-1323XDSK	1323XDSK	1323 Zigbee Developer Starter Kit	199.00

FUJITSU BLUETOOTH WIRELESS MODULES

Features:
* Upper layer protocol stack & SDK from Nordic Semiconductor
* Bluetooth specification version 4.0 (single mode)
* Operating temperature: -25 to +75°C
* Module has embedded 16MHz clock
* Connection to external 32kHz clock available via 13pin/14pin (GPIO_27 /GPIO_26)
* All 31 GPIO pins of nRF51822 assigned, enhancing design flexibility

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fujitsu Part No.	Dimensions (mm)	Supply Voltage (V)	Sensitivity (dBm)	Output Power (dBm)	Interface Type	Price Each 1	Price Each 10	Price Each 100
817-MBH7BLZ02-109004	MBH7BLZ02-109004	15.7 x 9.8 x 2.0	3.6	-91	0	GPIO, I2C, SPI, UART	17.00	16.23	13.91
Evaluation Board			Description				**Price Each**		
817-MBH7BLZ02-EB-KIT	MBH7BLZ02-EB-KIT	3.6V, UART Evaluation Board for MBH7BLZ02 Bluetooth Module					557.38		

WURTH ELECTRONICS WE-WPC WIRELESS DESIGN KIT 5W

Wurth Electronics Wireless Power Demo Kit demonstrates the advantages of wireless power and gives developers the opportunity to test a wireless power solution and integrate it into their application. This Wurth demonstration kit is built according to Wireless Power Consortium WPC Qi specification 1.1. The transmitter is 5V input design and powers all standard WPC low power 5W receivers. The kit provides a plug and play 5W power transfer demonstration. Complete demo boards -- a Texas Instruments bq500212AEVM-550 Transmitter Board and bq51013BEVM-764 Receiver Board -- allow for fast and easy integration of Wireless Power into a product design.

Features:
* Transmitter Input Voltage 5V
* Receiver Output Voltage 5V @ 1A
* WPC version 1.1 compliant
* High efficiency Coils

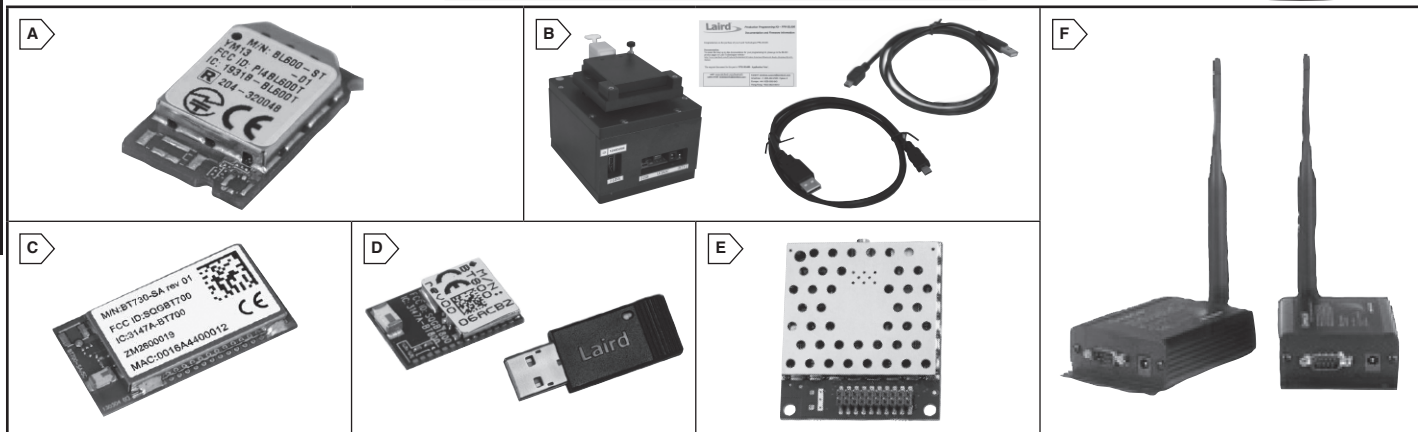**Applications:**
* Smartphones
* Headsets
* Portable media players

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Wurth Electronics Part No.	Description	Price Each
710-760308	760308	Power Management IC Development Tools WE-WPC Wireless Charging Design Kit	450.00

LAIRD TECHNOLOGIES Wireless System Modules

Laird TECHNOLOGIES®

BL600 BLUETOOTH BLE MODULES

BL600 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	50
Class 2					
239—	BL600-SA	A	Single mode BLE module with smartBASIC internal antenna	13.30	12.65
239—	BL600-SC	A	Single mode BLE module featuring smartBASIC IPEX MHF4 antenna connector	13.30	13.20
239—	BL600-ST	A	Single mode BLE module featuring smartBASIC trace pin	13.30	13.20
Development Kits					
239—	DVK-BL600-SA	A	Class 2 BLE for BL600-SA Module	149.99	-
239—	DVK-BL600-SC	A	Class 2 BLE for BL600-SC Module	159.99	-
239—	DVK-BL600-ST	A	Class 2 BLE for BL600-ST Module	159.99	-
239—	PPK-BL600	B	Programming Jig for BL600 Standalone Modules	595.00	-

BT730/BT740 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	50
239—	BT730-SA	C	Class 1 Bluetooth v2.0 Module (internal antenna)	23.65	23.00
239—	BT730-SC	C	Class 1 Bluetooth v2.0 Module (u.FL connector)	23.65	23.00
239—	BT740-SA	C	Enhanced Class 1 Bluetooth v2.1 Module (internal antenna)	26.65	26.00
239—	BT740-SC	C	Enhanced Class 1 Bluetooth v2.1 Module (u.FL connector)	26.65	26.00
Development Kits					
239—	DVK-BT730-SA	C	BT730-SA Module (internal antenna)	99.00	-
239—	DVK-BT730-SC	C	BT730-SC Module (u.FL connector)	99.00	-
239—	DVK-BT740-SA	C	Kit for BT740-SA Module (internal antenna)	99.00	-
239—	DVK-BT740-SC	C	Kit for BT740-SC Module (u.FL connector)	99.00	-

BT820 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	50
239—	BT800	D	BTv4.0 Dual Mode USB HCI Module	10.60	9.97
239—	BT820	D	BTv4.0 Dual Mode USB Dongle	14.75	13.87
Development Kits					
239—	DVK-BT800	D	Development Kit for BT800 Module	99.00	-

OEM TRANSCEIVER MODULES

RoHS Compliant

AC4486 Series

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	50
814—	AC4486-5M	E	868MHz transceiver, TTL serial RS232, 0-250mW, MMCX antenna, 5mW	58.45	55.00

AC4490 Series - Server/Client Protocol

Compact AC4490 900MHz transceivers can replace miles of cable in harsh industrial environments. Using field-proven FHSS technology that needs no additional site licensing , AC4490s reject interference, enable co-located system operation, increase output power and maintain data integrity. AC4490s feature drop-in installation and a number of on-the-fly control commands, providing OEMs with a versatile interface for any application. They can be used as direct wire replacements, requiring no special host software for communication. All frequency hopping, synchronization and RF system data transmission/reception is performed by the transceiver.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	50
900MHz FHSS modules					
814—	AC4490-1000M	E	MMCX ant. connector, 1W	77.50	72.99
814—	AC4490-200A	E	integral ant., 200mW	63.85	59.50
814—	AC4490-200M	E	MMCX ant. connector, 200mW	62.50	58.50
814—	AC4490200A5485	E	integral ant., RS485, 200mW	64.85	60.85
814—	AC4490LR-1000M	E	MMCX ant. connector, longer range version, 1W	84.50	74.50
814—	AC4490LR-200M	E	MMCX ant. connector, longer range version, 200mW	68.50	63.00

OEM TRANSCEIVER MODULES (CONT.)

AC4790 Series - Peer-to-Peer Protocol

High-performance AC4790 transceivers utilize Laird's "masterless" protocol, allowing each transceiver to communicate with any other in-range transceiver for true peer-to-peer operation. AC4790's protocol features a dynamic addressing scheme, which simplifies the most efficient transmission path, so OEMs can design routing sequences that optimize the RF network. This makes AC4790 ideal for a wide variety of RF network. This makes AC4790 ideal for a wide variety of industrial applications that must rely on smooth, constant data flow.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each	
Mfr.	Mfr. Part No.			1	50
900MHz SMT FHSS modules					
814—	AC4790-1000M	E	MMCX ant. Connector, 1W	77.50	73.50
814—	AC4790-200A	E	Integral ant., 200mW	63.85	59.50
814—	AC4790-200M	E	MMCX ant. Connector, 200mW	62.50	58.50
814—	AC4790-200M485	E	MMCX ant. connector, RS485, 200mW	63.50	59.50
814—	AC4790LR-1000M	E	MMCX ant. connector, longer range version, 1W	84.50	78.50
814—	AC4790LR-200M	E	MMCX ant. connector, longer range version, 200mW	68.50	63.00
Developer Kit					
814—	SDK-AC4790-200M	E	AC4790-200M	199.00	-

Accessories

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each	
Mfr.	Mfr. Part No.		1	50
814—	0600-00019	S467FL-5-RMM-915S, 1/2 wave, 7", 2dBi, RA, MMCX plug	14.64	-
814—	0600-00020	1/2 wave antenna, 7", 2dBi, RA, MMCX plug	16.00	15.50
814—	0600-00024	S467AH-915S, 1/2 wave, 7", 2dBi, RA, RPSMA	14.64	-
814—	0600-00025	S467FL-5-RMM-915, 1/2 wave, 7", 2dBi, MMCX plug	14.64	-
814—	0600-00028	S161AH-915R, 1/2 wave, 6", 2.5dBi, RA, RPSMA	14.00	-
814—	0600-00029	S161AH-915, 1/2 wave, 6", 2.5dBi, RPSMA	14.64	-
814—	0600-00030	S331AH-915, 1/4 wave, 3.5", 1dBi, RPSMA	14.64	-
814—	0650-00005	Power supply, 7.5 VDC, 1.5 A, Sw. Reg., 100 - 240 VAC input	20.00	19.25
814—	1300-00023	5" RG178 coax, RA MMCX plug to RPSMA bulkhead	13.00	12.50
814—	1300-00041	5" RG178 coax, u.FL plug to RPSMA bulkhead	16.25	15.75

900MHZ/2.4GHZ CONNEX LINK™

Server/Client Protocol

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each
Mfr.	Mfr. Part No.			
814—	CL4490-232-C	F	Client only unit kit includes transceiver (client config.), RS-232 cable, antenna, power supply and software (requires a server unit)	110.00
814—	CL4490-232-SP	F	Starter pack includes both a server and client unit, RS-232 cables, antennas, power supplies and software	225.00
814—	CL4490-1000PROSP	F	900MHz RS232/RS485/RS422 switching interface transceiver starter pack 1W (server/client protocol)	300.00

Peer-to-Peer Protocol

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each
Mfr.	Mfr. Part No.			
814—	CL4790-232	F	Single unit kit (peer to peer protocol) includes transceiver, RS-232 cable, antenna, power supply and software	110.00
814—	CL4790-232-SP	F	Starter pack (peer to peer protocol) includes two transceiver units, RS-232 cables, antennas, power supplies and software	225.00

Connex Link™ Accessory

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Fig.	Description	Price Each
Mfr.	Mfr. Part No.			
814—	1300-00032	F	Null-modem cable (replaces standard cable if connecting Aerocomm units to DCE devices)	14.00

LAIRD TECHNOLOGIES Wireless System Modules

WIRELESS CABLE REPLACEMENT SYSTEM

ConnexLink™ stand-alone radio modules are set up in minutes to cut the cables between RS232 or RS485 devices. Their flexibility and economic price allow users to quickly upgrade wired terminals to cordless operation in industrial, commercial, and residential applications.

Powered by a 50mW 2.4GHz radio this unit is small and easily portable for use in mobile and temporary settings, as well as fixed installations. Optional software enables custom configurations based on user needs.

Features:
- Durable industrial-grade enclosure
- Transmits around corners, through walls
- Point-to-point and point-to-multipoint setups
- Extremely cost effective
- Up to 20-mile range
- Simple cable replacement
- Options for 910 MHz and 2.4GHz

MOUSER STOCK NO.	Laird Tech Part No.	Description	Price Each 1	50
CL024 Module				
814-CL024-100	CL024-100	2.4GHz RS232 Trans 100mW w/ ant DB9 conn	135.00	128.25
CL024 Developer Kit				
814-CL024-100-232-SP	CL024-100-232-SP	ConnexLinx Starter Pack 2.4GHz RS232	270.00	256.50

WIRELESS ETHERNET BRIDGE CONNEXLAN 400

Based on Laird Technologies' WISM+ 802.11 embedded module, the CL400 series of wireless Ethernet bridges provide outstanding data throughput over long ranges in a ruggedized industrial package. The CL400 Ethernet Bridge products are ideal for users looking for a simple to use wireless Ethernet bridge. Available with an AC power adapter, standard RJ-45 Ethernet jack and antennas, the CL400 come prepackaged with all necessary accessories. With no configuration necessary, users can simply plug in their Ethernet cable and apply power and have a wireless bridge at distance up to 1 mile and speeds up to 11Mbs. Optimized for point-to-point bridge connections the CL400 starter packs come pre-configured to communicate come pre-configured to communicate over a WPA2-CCMP encrypted secure 802.11 RF channel. The intelligent devices will optimize link speeds according to the RF conditions and distances between the units.

Features:
- Easy to use, no configuration necessary
- Standard 10/100 RJ-45 Ethernet Jack
- Auto Sensing interface for connection to peripherals or network devices
- Optimized RF Data rates dependant on conditions
- AES encrypted wireless link
- RF Speeds up to 11Mbps
- Line of sight distances up to 1 mile

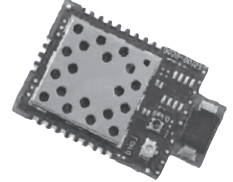| MOUSER STOCK NO.	Laird Tech Part No.	Description	Approved Countries	Price Each
814-CL400-SP	CL400-SP	Wifi Ethernet Bridge Starter Pak-Americas	USA	560.00

2.4 GHZ RAMP MODULES AND DEVELOPER KITS

The RM024 is the first new module in Laird's rebranded RAMP (Range Amplified MultiPoint) line of modules. Laird's RAMP modules excel at providing a wireless serial link over long ranges and with support for multipoint networks. RAMP modules utilize a Frequency Hopping Spread Spectrum (FHSS) protocol for greater interference and multipath immunity. With two transceivers, the RAMP line can provide a wireless serial cable replacement capable of extending communications well beyond the 50 foot maximum for wired connections. RAMP modules also support multipoint – Star network topologies – and users can employ a nearly unlimited number of clients for applications such as sensors, controls, and text display boards.

The RM024 is based on the same core technology as the LT2510 and is designed to be a drop in replacement. Differences between the modules may affect customer designs. The RM024 and the LT2510 are over the air compatible and can both be used in the same network.

Features:
- Industrial Temp Range: -40 to +85°C
- Serial UART interface
- Frequency Hopping Spread Spectrum
- Simple AT command set
- Integrated and external antenna options available

MOUSER STOCK NO.	Laird Tech Part No.	Description	Price Each 1	50
RM024 Modules				
814-RM024-P125-C	RM024-P125-C-01	2.4GHz Trans Plug 100mW u.FL	37.95	35.96
814-RM024-P125-M	RM024-P125-M-01	2.4GHz Trans Plug 100mW dual ant	37.95	35.96
814-RM024-S125-C	RM024-S125-C-01	2.4GHz Trans SMT 100mW u.FL	35.50	33.61
814-RM024-S125-M	RM024-S125-M-01	2.4GHz Trans SMT 100mW dual ant	35.50	33.61

FLEXRF® 915MHZ AND 2.4GHZ WIRELESS MODULES

Laird Technologies' fifth generation 2.4GHz FHSS module sets the standard for industrial RF communication. Based on proprietary FlexRF™ technology, this globally-accepted module will exceed most OEM application and performance requirements. Embedded with Laird Technologies' robust server-client protocol, the LT2510 permits each module to communicate with any other in-range module for true peer-to-peer operation. "Out of range" modules can be reached via a meshing topology. The configuration and test software enables OEMs to structure and optimize the network to suit their application.

Laird Technologies' third generation 915MHz FHSS module sets yet another standard for industrial RF communication. Based on proprietary FlexRF™ technology, this globally-accepted module will exceed most OEM application and performance. From the OEM integrator's point of view, the LT1110's interface (API, configuration, etc) is 100% compatible with the LT2510 allowing the OEM to choose either 915MHz or 2.4GHz. The enhanced API commands provide packet routing control and network intelligence. With its field-proven proprietary FHSS RF protocol and increased penetration at 915 MHz, the LT1110 rejects RF noise, excels in multipath scenarios, allows for co-located systems, and provides an extremely reliable communication link.
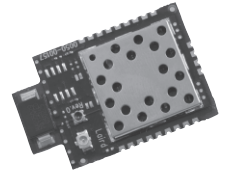
MOUSER STOCK NO.	Laird Tech Part No.	Description	Approved Countries	Price Each 1	50
LT1110 915MHz Wireless Modules					
814-PRM210	PRM210	RF Modules and Development Tools 900MHz SMT 3.3V TTL 10mW U.FL Jack	Worldwide	30.25	26.95
814-PRM211	PRM211	915MHz SMT 3.3V TTL 10mW Chip Antenna	Worldwide	31.20	27.80
814-PRM220	PRM220	Pluggable 3.3V TTL 915MHz 10mW U.FLJack	Worldwide	37.65	33.55
814-PRM221	PRM221	Pluggable 3.3V TTL 915MHz 10mW Chip Ant	Worldwide	39.00	34.75
814-PRM240	PRM240	900MHz OEM Transceiver Plug, 3.3V 200mW u.FL Jack	Worldwide	53.10	47.10
814-PRM241	PRM241	900MHz OEM Transceiver Plug, 3.3V 200mW Chip Ant	Worldwide	53.60	47.55
LT1110 915MHz Developer Kit and Evaluation Boards					
814-DVK-PRM220	DVK-PRM220	LT1110 Development Kit 3.3V TTL Serial Plug KIT 10mW u.FLJack	Worldwide	129.00	-
814-DVK-PRM221	DVK-PRM221	LT1110 Development Kit 3.3V TTL Serial Plug KIT10mW Chip Ant	Worldwide	129.00	-
814-DVK-PRM240	DVK-PRM240	LT1110 Developer Kit Plug, 3.3V 200mW u.FL Jack	Worldwide	129.00	-
814-DVK-PRM241	DVK-PRM241	LT1110 Developer Kit Plug, 3.3V 200mW Chip Ant	Worldwide	129.00	-

BLUETOOTH MODULE KIT

The development board allows the Laird Bluetooth or Wireless W-LAN Module to be connected to a PC. The development board provides RS-232 level conversion through a standard 9 way D type connector to all pins of the 40 way and a 50 way Hirose connectors used by Bluetooth or Wireless LAN interface.

MOUSER STOCK NO.	Laird Tech Part No.	Description	Price Each
239-BISDK02BI-02	BISDK02BI-02	BISMII and High Speed USB adapter	180.88
Accessory			
239-CWAA-00007-02	CWAA-00007-02	5.1mm black 1K - pcs Mounting Pillars	170.77

BLUETOOTH MODULES

Laird's Bluetooth embedded modules are designed with compatibility in mind. Laird's Bluetooth Intelligent Serial technology. The pin configuration and physical dimensions of both the Wireless Module (BISM) are the same giving you the choice of wireless.

MOUSER STOCK NO.	Laird Tech Part No.	Fig.	Description	Price Each
239-BTM431	BTM431	-	Bluetooth AT Data Module, Internal Antenna w/ BISM II	22.10
239-BTM443	BTM443	-	Bluetooth AT Data Module, Internal Antenna, Enhanced	18.50
239-DVK-BTM431	DVK-BTM431	-	Bluetooth Dev Kit for BTM431	99.00
239-DVK-BTM443	DVK-BTM443	-	Bluetooth Dev Kit for BTM443	99.00
239-TRBLU23-00200	TRBLU23-00200	A	BISMIII Bluetooth v2.0 Module	42.31
239-TRBLU23-00300	TRBLU23-00300	A	BISMII - uFL connector	42.31
239-BTM411	BTM411	-	Class 2 Bluetooth AT Data Module, Internal Antenna	17.50
239-DVK-BTM411	DVK-BTM411	-	Bluetooth AT Data Module, Internal Antenna Dev Kit	99.00
239-BISMS02BI	BISMS02BI	B	Surface Mount BISM II	32.86
239-BISMS02BI-NA	BISMS02BI-NA	B	Surface Mount BISM II - uFL connector	32.86
239-BRBLU03-010A0	BRBLU03-010A0	-	High Speed Bluetooth USB Adapter	45.22
239-BTM410	BTM410	-	BlueTooth DATA Module AT Module	19.82
239-DVK-BTM410	DVK-BTM410	-	Dev. Kit/BlueTooth DATA Module AT Module	165.00
239-BTM421	BTM421	-	BlueTooth DATA Module HCI	22.10
239-DVK-BTM421	DVK-BTM421	-	Dev. Kit/BlueTooth DATA Module HCI	99.00
239-BTM511	BTM511	-	BlueTooth Multimedia, (formerly BlueTooth Voice)	21.00
239-DVK-BTM511	DVK-BTM511	-	Class2 v2.1 and EDR Audio Module Kit w/ Internal Antenna	99.00

A

B
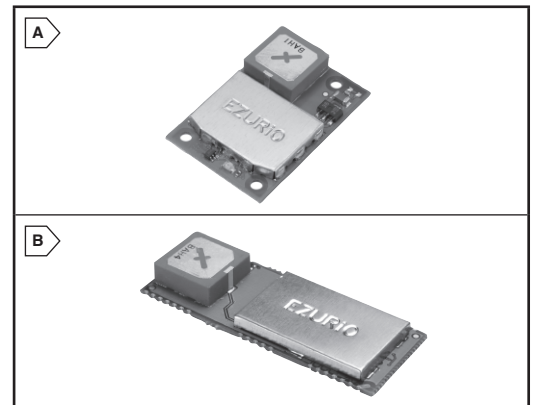
LINX TECHNOLOGIES RF Modules and Dev Systems

Products may be RoHS compliant. Check mouser.com for RoHS status.

Linx RF modules make it easy and cost-effective to add wireless capabilities to your product. Linx modules contain all the components necessary for the transmission of RF. Since no external components (except an antenna) are needed, the modules are easily applied, even by persons without previous RF design experience. This conserves valuable engineering resources and greatly reduces the product's time to market.

Wireless Solutions / **Linx Technologies** (side margin)

DS SERIES - ENCODER AND DECODER MODULE AND KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Vcc (V)	Operating Temperature	Encoder Supply Current (µA)			Decoder Supply Current (µA)			Power-Down Current (µA)			Pkg.	Price Each		
Mfr.	Mfr. Part No.				2.2V	3.3V	5.0V	2.2V	3.3V	5.0V	2.2V	3.3V	5.0V		1	25	100
712—	LICAL-EDC-DS001	DS Series - Module Encoder/Decoder	2.2-5.5	-40 to +85°C	200	250	400	300	400	675	0.3	0.3	0.4	SSOP-28	3.52	3.25	3.04
Evaluation Systems		Description															
712—	EVAL-315-DS	DS Series - Basic Eval Kit, 315MHz													99.00	-	-
712—	EVAL-418-DS	DS Series - Basic Eval Kit, 418MHz													99.00	-	-
712—	EVAL-433-DS	DS Series - Basic Eval Kit, 433MHz													99.00	-	-

PROPRIETARY WIRELESS MODULES AND DEV. TOOLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Max Data Range (bps)	Interface Type	Price Each		
Mfr.	Mfr. Part No.							1	25	100
712—	TRM-868-EUR	European Wireless Serial Engine Module	868	2.7 to 3.6	58	76,000	UART	33.98	31.03	27.66
712—	TRM-915-DTS	Wireless RF Transceiver Module	915	2.7 to 3.6	72	100,000	UART	33.98	31.03	27.66
712—	TRM-915-R250	Wireless Serial Engine (ADF7020)	915	3 to 3.6	190	153,000	UART	40.95	37.40	33.00
Development Tools		Description								
712—	EVM-915-250-FCS	TRM-915-R250 Evaluation Module, 915MHz, Straight Angle						53.97	-	-
712—	EVM-915-250-FCR	TRM-915-R250 Evaluation Module, 915MHz, Right Angle						53.97	-	-

NT SERIES - TRUE TRANSPARENCY™ TRANSCEIVER MODULES AND KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Max Data Range (bps)	Package	Price Each		
Mfr.	Mfr. Part No.							1	25	100
712—	TRM-868-NT	RF Transceiver Module	868	2.5-5.5	33.9	300,000	SMD	28.31	26.17	22.14
712—	TRM-900-NT	RF Transceiver Module	900	2.5-5.5	33.9	300,000	SMD	28.31	26.17	22.14
Development Systems		Description								
712—	MDEV-868-NT	NT Series - Master Development System, 868MHz, USB Module						149.00	-	-
712—	MDEV-900-NT	NT Series - Master Development System, 900MHz, USB Module						149.00	-	-

LT SERIES - LONG RANGE RF TRANSCEIVER MODULE AND EVAL KIT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Max Data Range (bps)	Package	Price Each		
								1	25	100
712—	TRM-433-LT	RF Transceiver Module	433.92	2.1-3.6	9.5/7.9	10,000	SMD	16.24	15.02	15.02
GPS Evaluation System		Description								
712—	EVAL-433-LT	LT Series - Basic Evaluation System, 433MHz						99.00	-	-

HUMRC™ SERIES - RF REMOTE CONTROL AND SENSOR TRANSCEIVER MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Frequency (MHz)	Supply Current (mA)		Type	Supply Voltage (V)	Price Each		
Mfr.	Mfr. Part No.			Transmitting	Receiving			1	25	50
712—	HUM-900-RC	Remote Control Transceiver	900	28	25.5	Serial, UART	3.6	19.96	18.50	14.25
712—	HUM-2.4-RC	Remote Control Transceiver	2400	28	25.5	Serial, UART	3.6	19.96	18.50	16.50
Dev. and Evaluation System		Description								
712—	EVM-900-RC	HumRC™ Series - Carrier Board						29.58	-	-
712—	EVM-2.4-RC	HumRC™ Series - Carrier Board						29.58	-	-
712—	MDEV-900-RC	HumRC™ Series - Master Development System 900MHz						186.56	-	-
712—	MDEV-2.4-RC	HumRC™ Series - Master Development System, 2.4GHz						186.56	-	-
712—	EVAL-900-RC	HumRC™ Series - Basic Evaluation Kit, 900MHz						85.00	-	-
712—	EVAL-2.4-RC	HumRC™ Series - Basic Evaluation Kit, 2.4GHz						85.00	-	-
712—	MDEV-DEMO-RC-A	HumRC™ Series - Remote Control Development Kit, Demo Board Type A						46.75	-	-
712—	MDEV-DEMO-RC-B	HumRC™ Series - Remote Control Development Kit, Demo Board Type B						46.75	-	-
712—	MDEV-PGDOCK	HumRC™ Series - Master Development Kit Programming Dock						45.00	-	-
712—	MDEV-PROTO	HumRC™ Series - Master Development Kit Prototype Board						45.00	-	-

TT SERIES - REMOTE CONTROL TRANSCEIVER MODULE AND DEV. SYSTEM

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Max Data Range (bps)	Package	Price Each		
Mfr.	Mfr. Part No.							1	25	100
712—	TRM-900-TT	RF Transceiver Module	900	2.5-5.5	38.1	45,000	SMD	29.40	27.18	23.31
Development System		Description								
712—	MDEV-900-TT	TT Series - Master Development System, 900MHz						189.00	-	-

KH3 SERIES - RF TRANSMITTER/ENCODER MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Output Power (dBm)	Package	Price Each		
Mfr.	Mfr. Part No.							1	25	50
712—	TXM-315-KH3	RF Transmitter w/Encoder	315	2.7-5.2	2.7	-1	SMD	12.15	11.24	10.74
712—	TXM-418-KH3	RF Transmitter w/Encoder	418	2.7-5.2	2.7	-1	SMD	12.15	11.24	10.74
712—	TXM-433-KH3	RF Transmitter w/Encoder	433	2.7-5.2	2.7	-1	SMD	12.15	11.24	10.74
Evaluation Kits		Description								
712—	EVAL-315-KH3	KH3 Series - Evaluation Kit, 315MHz						82.91	-	-
712—	EVAL-418-KH3	KH3 Series - Evaluation Kit, 418MHz						82.91	-	-
712—	EVAL-433-KH3	KH3 Series - Evaluation Kit, 433MHz						82.91	-	-

LC SERIES - LOW COST RF TRANSMITTER MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Max Data Range (bps)	Package	Price Each		
Mfr.	Mfr. Part No.							1	25	100
712—	TXM-418-LC	RF Transmitter Module	418	2.7-5.2	3.0	5,000	SMD	6.87	6.35	6.35

LR SERIES - LONG RANGE WIRELESS COMMUNICATION MODULES AND EVAL KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Analog Range	Max Data Range (bps)	Package	Price Each		
Mfr.	Mfr. Part No.								1	25	50
712—	TXM-315-LR	RF Transmitter Module	315	2.1-3.6	3.4	-	10,000	SMD	6.71	6.21	6.21
712—	TXM-418-LR	RF Transmitter Module	418	2.1-3.6	3.4	-	10,000	SMD	6.71	6.21	6.21
712—	TXM-433-LR	RF Transmitter Module	433.92	2.1-3.6	3.4	-	10,000	SMD	6.71	6.21	6.21
712—	RXM-315-LR	RF Receiver Module	315	2.7-3.6	5.2	50Hz-5kHz	10,000	SMD	13.90	12.71	12.71
712—	RXM-418-LR	RF Receiver Module	418	2.7-3.6	5.2	50Hz-5kHz	10,000	SMD	13.95	12.76	12.76
712—	RXM-433-LR	RF Receiver Module	433.92	2.7-3.6	5.2	50Hz-5kHz	10,000	SMD	13.95	12.76	12.76
Evaluation Systems		Description									
712—	EVAL-315-LR	LR Series - Basic Evaluation System, 315MHz							99.00	-	-
712—	EVAL-433-LR	LR Series - Basic Evaluation System, 433MHz							99.00	-	-

ES SERIES - DIGITAL AND ANALOG WIRELESS MODULES

For quantities greater than listed, call for quote.

| MOUSER STOCK NO.		Description	Frequency (MHz)	Vcc (V)	Icc (mA) Typ.	Analog Range	Max Data Range (bps)	Package	Price Each		
712—	TXM-869-ES	RF Transmitter Module	869.85	2.1-4.0	7.0	20Hz-28kHz	56,000	SMD	13.38	12.38	12.38
712—	TXM-916-ES	RF Transmitter Module	916.48	2.1-4.0	7.0	20Hz-28kHz	56,000	SMD	13.38	12.38	12.38
712—	RXM-916-ES	RF Receiver Module	916.48	4.5-5.5	6.0	20Hz-28kHz	56,000	SMD	17.98	16.42	16.42

LINX TECHNOLOGIES Wireless Solutions and Dev Kits

Products may be RoHS compliant. Check mouser.com for RoHS status.

EMBEDDED GNSS MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25	50
712—RXM-GNSS-GM-B		-	GM Series - GNSS Receiver Module	31.88	30.96	30.51
712—RXM-GNSS-TM-B		-	TM Series - GNSS Receiver Module	34.33	33.33	32.85
Development Tools				**Price Each**		
712—EVM-GNSS-GM		A	GM Series - Evaluation Module	45.45		
712—EVM-GNSS-TM		A	TM Series - Evaluation Module	59.95		
712—MDEV-GNSS-GM		-	GM Series - GNSS Receiver Master Development System	177.50		
712—MDEV-GNSS-TM		-	TM Series - GNSS Receiver Master Development System	177.50		

EMBEDDED GPS MODULES

For quantities greater than listed, call for quote.
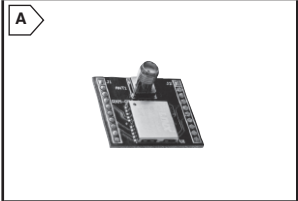
MOUSER STOCK NO. Mfr.	Mfr. Part No.	Fig.	Description	Price Each 1	25
712—RXM-GPS-F4-T		B	F4 Series - GPS Receiver Module Tape and Reel	23.70	21.92
712—RXM-GPS-F4-B		B	F4 Series - GPS Receiver Module Bulk Tape	23.70	21.92
712—RXM-GPS-FM-B		B	FM Series - GPS Receiver Module	22.80	22.15
712—RXM-GPS-R4-T		B	R4 Series - GPS Receiver Module Tape and Reel	21.48	19.87
712—RXM-GPS-R4-B		B	R4 Series - GPS Receiver Module Bulk Tape	21.48	19.86
712—RXM-GPS-RM-B		B	RM Series - GPS Receiver Module	19.34	18.75
Development Tools				**Price Each**	
712—ASY-MDEVGPSSG-DB		A	Contains 1 solderless breadboard, SG Series - GPS module, SMA connector and a ferrite bead	38.44	
712—ASY-MDEVGPSSR-DB		C	Surface mount SR Series - GPS module on a single board with through-hole headers	49.44	
712—MDEV-GPS-F4		-	F4 Series - GPS Receiver Master Development Boards	149.00	
712—MDEV-GPS-FM		-	FM Series - GPS Receiver Master Development Boards	160.00	
712—MDEV-GPS-R4		-	R4 Series - GPS Receiver Master Development Boards	149.00	
712—MDEV-GPS-RM		-	RM Series - GPS Receiver Master Development Boards	160.00	
712—MDEV-GPS-SR		-	SR Series - Master Development System	149.00	
712—EVM-GPS-F4		-	F4 Series - GPS Receiver Evaluation Module	29.95	
712—EVM-GPS-FM		A	FM Series - Evaluation Module	39.95	
712—EVM-GPS-R4		-	R4 Series - GPS Receiver Evaluation Module	27.73	
712—EVM-GPS-RM		A	RM Series - Evaluation Module	39.95	

USB INTERFACE MODULES

For quantities greater than listed, call for quote.
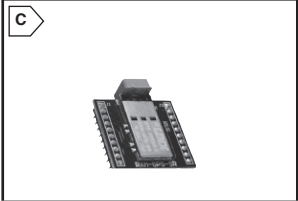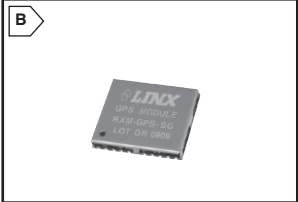
MOUSER STOCK NO.	Linx Tech. Part No.	Description	Price Each 1	25
712-SDM-USB-QS-S	SDM-USB-QS-S	USB Module	15.30	13.65
Development Tool			**Price Each**	
712-MDEV-USB-QS	MDEV-USB-QS	QS Series - - Master Development System	99.00	

REMOTE CONTROL AND COMMAND ICS

For quantities greater than listed, call for quote.

High Security 8 Function Remote Control Encoder and Decoder ICs					
712-LICAL-DEC-HS001	LICAL-DEC-HS001	HS Series - Decoder	4.22	3.91	
712-LICAL-ENC-HS001	LICAL-ENC-HS001	HS Series - Encoder	4.22	3.91	
Medium Security 8 Function Remote Control Encoder and Decoder ICs					
712-LICAL-DEC-MS001	LICAL-DEC-MS001	MS Series - Decoder	3.98	3.68	
712-LICAL-ENC-MS001	LICAL-ENC-MS001	MS Series - Encoder	3.98	3.68	
Basic Remote Control Encoder and Decoder ICs					
712-LICAL-DEC-LS001	LICAL-DEC-LS001	LS Series - Decoder	4.16	3.85	
712-LICAL-ENC-LS001	LICAL-ENC-LS001	LS Series - Encoder	4.16	3.85	
Bi-Directional Remote Control Transcoder ICs					
712-LICAL-TRC-MT	LICAL-TRC-MT	MT Series - Transcoder	4.01	3.71	
Development Tools			**Price Each**		
712-MDEV-LICAL-HS	MDEV-LICAL-HS	HS Series - Master Development Kit	199.00		
712-MDEV-LICAL-MS	MDEV-LICAL-MS	MS Series - Master Development Kit	199.00		
712-MDEV-LICAL-MS-ES	MDEV-LICAL-MS-ES	MS Series - Master Development Kit with ES RF Modules	199.00		

OEM PRODUCTS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Linx Tech. Part No.	Description	Price Each 1	10	50
HS Family					
712-OTX-418-HH-LR8HS	OTX-418-HH-LR8-HS	HS 8 Button Long-Range Handheld Transmitter 418MHz	40.10	35.61	32.08
MS Family					
712-OTX-433-HH-KF1MS	OTX-433-HH-KF1-MS	1 Button MS Keyfob Transmitter 433MHz	21.54	19.92	17.95
712-OTX-418-HH-KF2MS	OTX-418-HH-KF2-MS	2 Button MS Keyfob Transmitter 418MHz	21.54	19.92	17.95
712-OTX-418-HH-KF5MS	OTX-418-HH-KF5-MS	5 Button MS Keyfob Transmitter 418MHz	21.54	19.92	17.95
712-OTX-433-HH-KF5MS	OTX-433-HH-KF5-MS	5 Button MS Keyfob Transmitter 433MHz	21.54	19.92	17.95
712-OTX-433-HH-CP8MS	OTX-433-HH-CP8-MS	MS 8 Button Compact Handheld Transmitter 433MHz	35.32	31.36	28.25
712-OTX-418-HH-LR8MS	OTX-418-HH-LR8-MS	MS 8 Button Long-Range Handheld Transmitter 418MHz	40.10	35.61	32.08
712-OTX-433-HH-LR8MS	OTX-433-HH-LR8-MS	MS 8 Button Long-Range Handheld Transmitter 433MHz	40.10	35.61	32.08
Holtek Family					
712-CMD-KEY2-418	CMD-KEY2-418	2 Button Black Keyfob Transmitter 418MHz	17.94	16.59	14.95
712-CMD-KEY2-433	CMD-KEY2-433	2 Button Black Keyfob Transmitter 433MHz	17.94	16.59	14.95
712-CMD-KEY4-418	CMD-KEY4-418	4 Button Black Keyfob Transmitter 418MHz	17.94	16.59	14.95
712-CMD-KEY5-418	CMD-KEY5-418	5 Button Black Keyfob Transmitter 418MHz	17.94	16.59	14.95
712-CMD-KEY5-433	CMD-KEY5-433	5 Button Black Keyfob Transmitter 433MHz	17.94	16.59	14.95
712-CMD-HHCP-315-MD	CMD-HHCP-315-MD	8 Button Compact Handheld Transmitter with Metal Dome Switches 315MHz	25.72	23.79	22.74
712-CMD-HHCP-418-MD	CMD-HHCP-418-MD	8 Button Compact Handheld Transmitter with Metal Dome Switches 418MHz	25.72	23.79	22.74
712-CMD-HHCP-433-MD	CMD-HHCP-433-MD	8 Button Compact Handheld Transmitter with Metal Dome Switches 433MHz	25.72	23.79	22.74
712-CMD-HHLR-315-MD	CMD-HHLR-315-MD	8 Button Long-Range Handheld Transmitter with Metal Dome Switches 315MHz	27.72	25.64	24.51
712-CMD-HHLR-418-MD	CMD-HHLR-418-MD	8 Button Long-Range Handheld Transmitter with Metal Dome Switches 418MHz	27.72	25.64	24.51
712-CMD-HHLR-433-MD	CMD-HHLR-433-MD	8 Button Long-Range Handheld Transmitter with Metal Dome Switches 433MHz	27.72	25.64	24.51
712-FCTN-WALL-418	FCTN-WALL-418	AC Switch Receiver Module 418MHz	45.78	40.65	38.85
Development Tools			**Price Each**		
712-MDEV-418-HHLR8HS	MDEV-418-HH-LR8-HS	HS Long-Range Handheld Transmitter Development System 418MHz	149.00		
712-MDEV-433-HHLR8HS	MDEV-433-HH-LR8-HS	HS Long-Range Handheld Transmitter Development System 433MHz	149.00		
712-MDEV-418-HHCP8MS	MDEV-418-HH-CP8-MS	MS Compact Handheld Transmitter Development System 418MHz	99.00		
712-MDEV-418-HHLR8MS	MDEV-418-HH-LR8-MS	MS Long-Range Handheld Transmitter Development System 418MHz	99.00		
712-MDEV-433-HHLR8MS	MDEV-433-HH-LR8-MS	MS Long-Range Handheld Transmitter Development System 433MHz	99.00		
712-EVAL-418-HHCP	EVAL-418-HHCP	Holtek Family Compact HandHeld Evaluation System 418MHz	99.00		
712-EVAL-433-HHCP	EVAL-433-HHCP	Holtek Family Compact HandHeld Evaluation System 433MHz	99.00		
712-EVAL-418-HHLR	EVAL-418-HHLR	Holtek Long Range HandHeld Evaluation System 418MHz	99.00		

LINX TECHNOLOGIES Evaluation Systems and Antennas

Linx TECHNOLOGIES

EVALUATION SYSTEMS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Linx Tech. Part No.	Description	Frequency (MHz)	Price Each
712—CAEK-418	CAEK-418	Connectorized Antenna Evaluation Kit	418	74.95
712—CAEK-916	CAEK-916	Connectorized Antenna Evaluation Kit	916	74.95
712—AEK-2.45-CHP	AEK-2.45-CHP	Chip Antenna Evaluation Kit	2.45GHz	19.95
712—AEK-2.4-USP	AEK-2.4-USP	µSP Series MicroSplatch Antenna Evaluation Kit; 150MHz Bandwidth	2.4GHz	9.00
712—AEK-403-USP	AEK-403-USP	µSP Series MicroSplatch Antenna Evaluation Kit; 6MHz Bandwidth	403	9.00
712—AEK-418-USP	AEK-418-USP	µSP Series MicroSplatch Antenna Evaluation Kit; 8MHz Bandwidth	418	9.00
712—AEK-433-USP	AEK-433-USP	µSP Series MicroSplatch Antenna Evaluation Kit; 7MHz Bandwidth	433	9.00
712—AEK-868-USP	AEK-868-USP	µSP Series MicroSplatch Antenna Evaluation Kit; 20MHz Bandwidth	868	9.00
712—AEK-916-USP	AEK-916-USP	µSP Series MicroSplatch Antenna Evaluation Kit; 25MHz Bandwidth	916	9.00

GENERAL ANTENNAS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Linx Tech. Part No.	Description	Type	Frequency (MHz)	Price Each 1	25	50
Permanent-Mount							
712—ANT-315-PW-LP	ANT-315-PW-LP	LP Series - Reduced Height 1/4 Wave Whip Monopole	Screw Mount	315	2.54	2.36	2.23
712—ANT-418-PW-LP	ANT-418-PW-LP	LP Series - Reduced Height 1/4 Wave Whip Monopole	Screw Mount	418	2.54	2.36	2.23
712—ANT-433-PW-LP	ANT-433-PW-LP	LP Series - Reduced Height 1/4 Wave Whip Monopole	Screw Mount	433	2.54	2.36	2.23
712—ANT-868-PW-LP	ANT-868-PW-LP	LP Series - Reduced Height 1/4 Wave Whip Monopole	Screw Mount	868	2.43	2.26	2.13
712—ANT-916-PW-LP	ANT-916-PW-LP	LP Series - Reduced Height 1/4 Wave Whip Monopole	Screw Mount	916	2.43	2.26	2.13
712—ANT-2.4-PW-LP	ANT-2.4-PW-LP	LP Series - Reduced Height 1/4 Wave Whip Monopole	Screw Mount	2.4GHz	2.44	2.26	2.13
712—ANT-315-PW-RA	ANT-315-PW-RA	RA Series - Swivel Angle 1/4 Wave Whip Monopole	Screw Mount	315	4.13	3.82	3.69
712—ANT-433-PW-RA	ANT-433-PW-RA	RA Series - Swivel Angle 1/4 Wave Whip Monopole	Screw Mount	433	4.13	3.82	3.69
712—ANT-868-PW-RA	ANT-868-PW-RA	RA Series - Swivel Angle 1/4 Wave Whip Monopole	Screw Mount	868	3.95	3.65	3.53
712—ANT-916-PW-RA	ANT-916-PW-RA	RA Series - Swivel Angle 1/4 Wave Whip Monopole	Screw Mount	916	3.95	3.65	3.53
712—ANT-418-PW-QW	ANT-418-PW-QW	PW Series - 1/4 Wave Whip Monopole	-	418	7.49	6.93	6.70
712—ANT-433-PW-QW	ANT-433-PW-QW	PW Series - 1/4 Wave Whip Monopole	-	433	7.35	6.80	6.57
712—ANT-868-PW-QW	ANT-868-PW-QW	PW Series - 1/4 Wave Whip Monopole	-	868	6.45	5.97	5.57
712—ANT-916-PW-QW	ANT-916-PW-QW	PW Series - 1/4 Wave Whip Monopole	-	916	6.32	5.85	5.46
712—ANT-2.4-PW-QW	ANT-2.4-PW-QW	PW Series - 1/2 Wave Whip Dipole	-	2.4GHz	6.46	5.92	5.76
712—ANT-418-PW-QWUFL	ANT-418-PW-QW-UFL	PW Series - 1/4 Wave Whip	U.FL	418	8.88	8.22	7.95
712—ANT-433-PW-QWUFL	ANT-433-PW-QW-UFL	PW Series - 1/4 Wave Whip	U.FL	433	8.72	8.06	7.79
712—ANT-868-PW-QWUFL	ANT-868-PW-QW-UFL	PW Series - 1/4 Wave Whip	U.FL	868	7.65	7.08	6.60
712—ANT-916-PW-QWUFL	ANT-916-PW-QW-UFL	PW Series - 1/4 Wave Whip	U.FL	916	7.49	6.94	6.47
712—ANT-2.4-PW-QWUFL	ANT-2.4-PW-QW-UFL	PW Series - 1/2 Wave Whip	U.FL	2.4GHz	7.09	6.50	6.34
712—ANT-868-PML	ANT-868-PML	PML Series - Right Angle Swivel 1/2 Wave Whip Dipole	-	868	8.12	7.50	7.01
712—ANT-916-PML	ANT-916-PML	PML Series - Right Angle Swivel 1/2 Wave Whip Dipole	-	916	8.12	7.50	7.01
Connectorized							
712—ANT-916-OCLG-RPS	ANT-916-OCLG-RPS	OC Series - Tilt Swivel 1/2 Wave Whip Dipole	RP-SMA	916	10.05	9.30	8.98
712—ANT-916-OCLG-SMA	ANT-916-OCLG-SMA	OC Series - Tilt Swivel 1/2 Wave Whip Dipole	SMA	916	10.05	9.30	8.98
712—ANT-2.4-OCLG-RPS	ANT-2.4-OCLG-RPS	OC Series - Tilt Swivel 1/2 Wave Whip Dipole	RP-SMA	2.45GHz	10.05	9.30	8.98
712—ANT-2.4-OCLG-SMA	ANT-2.4-OCLG-SMA	OC Series - Tilt Swivel 1/2 Wave Whip Dipole	SMA	2.45GHz	10.05	9.30	8.98
712—ANT-418-CW-QW	ANT-418-CW-QW	CW Series - 1/4 Wave Whip Monopole	RP-SMA	418	8.69	8.04	7.76
712—ANT-433-CW-QW	ANT-433-CW-QW	CW Series - 1/4 Wave Whip Monopole	RP-SMA	433	8.49	7.86	7.59
712—ANT-868-CW-QW	ANT-868-CW-QW	CW Series - 1/4 Wave Whip Monopole	RP-SMA	868	7.26	6.71	6.48
712—ANT-916-CW-QW	ANT-916-CW-QW	CW Series - 1/4 Wave Whip Monopole	RP-SMA	916	6.99	6.46	6.24
712—ANT-916-CW-QWSMA	ANT-916-CW-QWSMA	CW Series - 1/4 Wave Whip Monopole	SMA	916	7.38	6.83	6.59
712—ANT-2.4-CW-QWRPS	ANT-2.4-CW-QWRPS	CW Series - 1/2 Wave Whip Dipole	RP-SMA	2.4GHz	7.69	7.05	6.87
712—ANT-2.4-CW-QWSMA	ANT-2.4-CW-QWSMA	CW Series - 1/2 Wave Whip Dipole	SMA	2.4GHz	7.69	7.05	6.87
712—ANT-315-CW-RH	ANT-315-CW-RH	RH Series - Reduced Height 1/4 Wave Whip Monopole	RP-SMA	315	6.98	6.46	6.24
712—ANT-315-CW-RHSMA	ANT-315-CW-RHSMA	RH Series - Reduced Height 1/4 Wave Whip Monopole	SMA	315	6.98	6.46	6.24
712—ANT-418-CW-RH	ANT-418-CW-RH	RH Series - Reduced Height 1/4 Wave Whip Monopole	RP-SMA	418	6.98	6.46	6.24
712—ANT-433-CW-RH	ANT-433-CW-RH	RH Series - Reduced Height 1/4 Wave Whip Monopole	RP-SMA	433	6.98	6.46	6.24
712—ANT-433-CW-RHSMA	ANT-433-CW-RHSMA	RH Series - Reduced Height 1/4 Wave Whip Monopole	SMA	433	6.80	6.29	6.08
712—ANT-868-CW-RH	ANT-868-CW-RH	RH Series - Reduced Height 1/4 Wave Whip Monopole	RP-SMA	868	6.80	6.29	6.08
712—ANT-868-CW-RHSMA	ANT-868-CW-RHSMA	RH Series - Reduced Height 1/4 Wave Whip Monopole	SMA	868	6.80	6.29	6.08
712—ANT-916-CW-RH	ANT-916-CW-RH	RH Series - Reduced Height 1/4 Wave Whip Monopole	RP-SMA	916	6.80	6.29	6.08
712—ANT-916-CW-RHSMA	ANT-916-CW-RHSMA	RH Series - Reduced Height 1/4 Wave Whip Monopole	SMA	916	6.80	6.29	6.08
712—ANT-2.4-CW-RH	ANT-2.4-CW-RH	RH Series - Reduced Height 1/4 Wave Whip Monopole	RP-SMA	2.45GHz	5.53	5.06	4.39
712—ANT-2.4-CW-RHSMA	ANT-2.4-CW-RHSMA	RH Series - Reduced Height 1/4 Wave Whip Monopole	SMA	2.45GHz	5.36	4.90	4.25
712—ANT-315-CW-HD	ANT-315-CW-HD	HD Series - Heavy Duty 1/4 Wave Whip Monopole	RP-SMA	315	8.25	7.63	7.54
712—ANT-418-CW-HD	ANT-418-CW-HD	HD Series - Heavy Duty 1/4 Wave Whip Monopole	RP-SMA	418	8.25	7.63	7.54
712—ANT-433-CW-HD	ANT-433-CW-HD	HD Series - Heavy Duty 1/4 Wave Whip Monopole	RP-SMA	433	8.25	7.63	7.54
712—ANT-315-CW-HW	ANT-315-CW-HW	HW Series - 1/4 Wave Whip Monopole	RP-SMA	315	9.24	8.55	8.45
712—ANT-418-CW-HW	ANT-418-CW-HW	HW Series - 1/4 Wave Whip Monopole	RP-SMA	418	9.24	8.55	8.45
712—ANT-433-CW-HW	ANT-433-CW-HW	HW Series - 1/4 Wave Whip Monopole	RP-SMA	433	9.24	8.55	8.45
712—ANT-868-CW-HW	ANT-868-CW-HW	HW Series - 1/2 Wave Whip Dipole	RP-SMA	868	8.84	8.17	8.08
712—ANT-916-CW-HW	ANT-916-CW-HW	HW Series - 1/2 Wave Whip Dipole	RP-SMA	916	8.84	8.17	8.08
712—ANT-2.4-CW-HW	ANT-2.4-CW-HW	HW Series - 1/2 Wave Whip Dipole	RP-SMA	2.45	8.54	7.90	7.80
712—ANT-2.4-CW-HWSMA	ANT-2.4-CW-HWSMA	HW Series - 1/2 Wave Whip Dipole	SMA	2.45	8.54	7.90	7.80
712—ANT-2.4-CW-CTRPS	ANT-2.4-CW-CTRPS	CT Series - Straight 1/2 Wave Whip Dipole	RP-SMA	2.45GHz	7.34	6.79	6.34
712—ANT-2.4-CW-CTSMA	ANT-2.4-CW-CTSMA	CT Series - Straight 1/2 Wave Whip Dipole	SMA	2.45GHz	7.34	6.79	6.35
712—ANT-315-CWHWRSMA	ANT-315-CWHWRSMA	HWR Series - Tilt Swivel 1/4 Wave Whip Monopole	SMA	315	10.87	10.05	9.93
712—ANT-418-CWHWRSMA	ANT-418-CWHWRSMA	HWR Series - Tilt Swivel 1/4 Wave Whip Monopole	SMA	418	10.87	10.05	9.93
712—ANT-433-CWHWRRPS	ANT-433-CWHWRRPS	HWR Series - Tilt Swivel 1/4 Wave Whip Monopole	RP-SMA	433	10.39	9.61	9.50
712—ANT-433-CWHWRSMA	ANT-433-CWHWRSMA	HWR Series - Tilt Swivel 1/4 Wave Whip Monopole	SMA	433	10.87	10.05	9.93
712—ANT-868-CWHWRRPS	ANT-868-CWHWRRPS	HWR Series - Tilt Swivel 1/2 Wave Whip Dipole	RP-SMA	868	10.39	9.61	9.50
712—ANT-868-CWHWRSMA	ANT-868-CWHWRSMA	HWR Series - Tilt Swivel 1/2 Wave Whip Dipole	SMA	868	10.39	9.61	9.50
712—ANT-916-CWHWRRPS	ANT-916-CWHWRRPS	HWR Series - Tilt Swivel 1/2 Wave Whip Dipole	RP-SMA	916	10.39	9.61	9.50
712—ANT-916-CWHWRSMA	ANT-916-CWHWRSMA	HWR Series - Tilt Swivel 1/2 Wave Whip Dipole	SMA	916	10.39	9.61	9.50
712—ANT-1.4-CWHWRSMA	ANT-1.4-CWHWRSMA	HWR Series - Tilt Swivel 1/2 Wave Whip Dipole	SMA	1.4GHz	10.39	9.61	9.50
712—ANT-2.4-CWHWRRPS	ANT-2.4-CWHWRRPS	HWR Series - Tilt Swivel 1/2 WaveWhip Dipole	RP-SMA	2.45	10.04	9.29	9.18
712—ANT-2.4-CWHWRSMA	ANT-2.4-CWHWRSMA	HWR Series - Tilt Swivel 1/2 WaveWhip Dipole	SMA	2.45	10.04	9.29	9.18
712—ANT-2.4-CW-RCTRP	ANT-2.4-CW-RCTRP	RCT Series - Right Angle Multi-Position 1/2 Wave Whip Dipole	RP-SMA	2.45GHz	9.04	8.36	8.08
712—ANT-2.4-CW-RCTSS	ANT-2.4-CW-RCTSS	RCT Series - Right Angle Multi-Position 1/2 Wave Whip Dipole	SMA	2.45GHz	9.04	8.36	8.08
712—ANT-433-CW-RCS	ANT-433-CW-RCS	RCS Series - Reduced Height Right Angle 1/4 Wave Whip Monopole	RP-SMA	433	7.76	7.18	6.93
712—ANT-868-CW-RCS	ANT-868-CW-RCS	RCS Series - Reduced Height Right Angle 1/4 Wave Whip Monopole	RP-SMA	868	7.30	6.76	6.53
712—ANT-916-CW-RCS	ANT-916-CW-RCS	RCS Series - Reduced Height Right Angle 1/4 Wave Whip Monopole	RP-SMA	916	7.30	6.76	6.53
712—ANT-2.4-CW-RCS	ANT-2.4-CW-RCS	RCS Series - Reduced Height Right Angle 1/4 Wave Whip Monopole	RP-SMA	2.45GHz	7.30	6.76	6.53
712—ANT-2.4-CWRCSSMA	ANT-2.4-CWRCSSMA	RCS Series - Reduced Height Right Angle 1/4 Wave Whip Monopole	SMA	2.45GHz	7.46	6.82	6.53
712—ANT-916-CW-RCL	ANT-916-CW-RCL	RCL Series - Right Angle Multi-Position 1/4 Wave Whip Monopole	RP-SMA	916	6.89	6.37	6.15
712—ANT-2.4-CW-RCL	ANT-2.4-CW-RCL	RCL Series - Right Angle Multi-Position 1/2 Wave Whip Monopole	RP-SMA	2.45GHz	6.89	6.37	6.15
712—ANT-315-CW-RAH	ANT-315-CW-RAH	RAH Series - Reduced Height Right-Angle 1/4 Wave Whip Monopole	RP-SMA	315	9.17	8.48	8.19
712—ANT-418-CW-RAH	ANT-418-CW-RAH	RAH Series - Reduced Height Right-Angle 1/4 Wave Whip Monopole	RP-SMA	418	9.17	8.48	8.19
712—ANT-433-CW-RAH	ANT-433-CW-RAH	RAH Series - Reduced Height Right-Angle 1/4 Wave Whip Monopole	RP-SMA	433	7.97	7.37	6.89
712—ANT-868-CW-RAH	ANT-868-CW-RAH	RAH Series - Reduced Height Right-Angle 1/4 Wave Whip Monopole	RP-SMA	868	7.42	6.86	6.40
712—ANT-916-CW-RAH	ANT-916-CW-RAH	RAH Series - Reduced Height Right-Angle 1/4 Wave Whip Monopole	RP-SMA	916	7.42	6.86	6.63
712—ANT-2.4-CW-RAH	ANT-2.4-CW-RAH	RAH Series - Reduced Height Right-Angle 1/4 Wave Whip Monopole	RP-SMA	2.45GHz	4.84	4.48	4.32
712—ANT-2.4-CWRAHSMA	ANT-2.4-CWRAHSMA	RAH Series - Reduced Height Right-Angle 1/4 Wave Whip Monopole	SMA	2.45GHz	4.84	4.48	4.32
712—ANT-DB1-RAF	ANT-DB1-RAF	RAF Series - Dual Band Tilt Swivel 1/2 Wave Dipole	RP-SMA	2.45/5.8GHz	9.92	9.18	8.86
712—ANT-DB1-RAF-SMA	ANT-DB1-RAF-SMA	RAF Series - Dual Band Tilt Swivel 1/2 Wave Dipole	SMA	2.45/5.8GHz	9.92	9.18	8.86

LINX TECHNOLOGIES Antennas

EMBEDDED ANTENNAS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Linx Tech. Part No.	Description	Type	Frequency (MHz)	Price Each 1	Price Each 25	Price Each 50
712—ANT-315-SP	ANT-315-SP	SP Series "The Splatch"- SMD Grounded Line 1/4-wave Monopole	Solder	315	10.85	10.04	9.37
712—ANT-403-SP	ANT-403-SP	SP Series "The Splatch"- SMD Grounded Line 1/4-wave Monopole	Solder	403	11.34	10.49	9.80
712—ANT-418-SP	ANT-418-SP	SP Series "The Splatch"- SMD Grounded Line 1/4-wave Monopole	Solder	418	11.34	10.49	9.80
712—ANT-433-SP	ANT-433-SP	SP Series "The Splatch"- SMD Grounded Line 1/4-wave Monopole	Solder	433	11.34	10.49	9.80
712—ANT-458-SP	ANT-458-SP	SP Series "The Splatch"- SMD Grounded Line 1/4-wave Monopole	Solder	458	10.85	10.04	9.37
712—ANT-868-SP	ANT-868-SP	SP Series "The Splatch"- SMD Grounded Line 1/4-wave Monopole	Solder	868	11.34	10.49	9.80
712—ANT-916-SP	ANT-916-SP	SP Series "The Splatch"- SMD Grounded Line 1/4-wave Monopole	Solder	916	11.34	10.49	9.80
712—ANT-2.4-USP	ANT-2.4-USP	μSP Series MicroSplatch SMD Ground Line, Monopole Planar Antenna	Solder	2.4GHz	1.42	1.30	1.30
712—ANT-403-USP	ANT-403-USP	μSP Series MicroSplatch SMD Ground Line, Monopole Planar Antenna	Solder	403	2.31	2.14	2.02
712—ANT-418-USP	ANT-418-USP	μSP Series MicroSplatch SMD Ground Line, Monopole Planar Antenna	Solder	418	2.18	1.91	1.91
712—ANT-433-USP	ANT-433-USP	μSP Series MicroSplatch SMD Ground Line, Monopole Planar Antenna	Solder	433	2.18	1.91	1.91
712—ANT-868-USP	ANT-868-USP	μSP Series MicroSplatch SMD Ground Line, Monopole Planar Antenna	Solder	868	2.08	1.82	1.82
712—ANT-916-USP	ANT-916-USP	μSP Series MicroSplatch SMD Ground Line, Monopole Planar Antenna	Solder	916	2.08	1.82	1.82
712—ANT-868-JJB-RA	ANT-868-JJB-RA	JJB Series - Permanent Mount Mini 1/4-wave Monopole Right Angle	Solder	868	11.34	10.49	9.80
712—ANT-868-JJB-ST	ANT-868-JJB-ST	JJB Series - Permanent Mount Mini 1/4-wave Monopole Straight Post	Solder	868	10.85	10.04	9.37
712—ANT-916-JJB-RA	ANT-916-JJB-RA	JJB Series - Permanent Mount Mini 1/4-wave Monopole Right Angle	Solder	916	10.85	10.04	9.37
712—ANT-2.4-JJB-RA	ANT-2.4-JJB-RA	JJB Series - Permanent Mount Mini 1/4-wave Monopole Right Angle	Solder	2.45GHz	10.85	10.04	9.37
712—ANT-2.4-JJB-ST	ANT-2.4-JJB-ST	JJB Series - Permanent Mount Mini 1/4-wave Monopole Straight Post	Solder	2.45GHz	8.38	7.75	7.50
712—ANT-868-CHP-B	ANT-868-CHP-B	CHP Series - Chip Antenna 1/4-wave Monopole, Bulk	Solder	868	8.38	7.75	7.50
712—ANT-916-CHP-B	ANT-916-CHP-B	CHP Series - Chip Antenna 1/4-wave Monopole, Bulk	Solder	916	9.24	8.55	8.26
712—ANT-2.45-CHP-B	ANT-2.45-CHP-B	CHP Series - Chip Antenna 1/4-wave Monopole, Bulk	Solder	2.45GHz	9.24	8.55	8.26
712—ANT-2.45-CHP-T	ANT-2.45-CHP-T	CHP Series - Chip Antenna 1/4-wave Monopole, Tape and Reel	Solder	2.45GHz	12.21	11.29	10.91
712—ANT-315-HETH	ANT-315-HETH	HE Series - Helical Through Hole 1/4-wave Monopole	Solder	315	12.94	11.97	11.43
712—ANT-418-HETH	ANT-418-HETH	HE Series - Helical Through Hole 1/4-wave Monopole	Solder	418	12.94	11.97	11.43
712—ANT-433-HESM	ANT-433-HESM	HE Series - Helical SMD 1/4-wave Monopole	Solder	433	12.94	11.97	11.43
712—ANT-433-HETH	ANT-433-HETH	HE Series - Helical Through Hole 1/4-wave Monopole	Solder	433	13.26	12.26	11.71
712—ANT-916-HESM	ANT-916-HESM	HE Series - Helical SMD 1/4-wave Monopole	Solder	916	13.26	12.26	11.71
712—ANT-916-HETH	ANT-916-HETH	HE Series - Helical Through Hole 1/4-wave Monopole	Solder	916	13.26	12.26	11.71

SPECIALTY ANTENNAS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Linx Tech. Part No.	Description	Type	Frequency (MHz)	Price Each 1	Price Each 25	Price Each 50
712—ANT-418-MHW-RPSS	ANT-418-MHW-RPSS	MHW Series - Stick-On 1/2-wave Dipole (Short, 79" Cable)	RP-SMA	418	10.85	10.04	9.37
712—ANT-418-MHWSMAS	ANT-418-MHWSMAS	MHW Series - Stick-On 1/2-wave Dipole (Short, 79" Cable)	SMA	418	11.34	10.49	9.80
712—ANT-418-MHW-RPSL	ANT-418-MHW-RPSL	MHW Series - Stick-On 1/2-wave Dipole (Long, 180'' Cable)	RP-SMA	418	11.34	10.49	9.80
712—ANT-418-MHW-SMAL	ANT-418-MHW-SMAL	MHW Series - Stick-On 1/2-wave Dipole (Long, 180'' Cable)	SMA	418	11.34	10.49	9.80
712—ANT-433-MHW-RPSS	ANT-433-MHW-RPSS	MHW Series - Stick-On 1/2-wave Dipole (Short, 79" Cable)	RP-SMA	433	10.85	10.04	9.37
712—ANT-433-MHWSMAS	ANT-433-MHWSMAS	MHW Series - Stick-On 1/2-wave Dipole (Short, 79" Cable)	SMA	433	11.34	10.49	9.80
712—ANT-433-MHW-RPSL	ANT-433-MHW-RPSL	MHW Series - Stick-On 1/2-wave Dipole (Long, 180'' Cable)	RP-SMA	433	11.34	10.49	9.80
712—ANT-433-MHW-SMAL	ANT-433-MHW-SMAL	MHW Series - Stick-On 1/2-wave Dipole (Long, 180'' Cable)	SMA	433	11.34	10.49	9.80
712—ANT-916-MHW-RPSS	ANT-916-MHW-RPSS	MHW Series - Stick-On 1/2-wave Dipole (Short, 79" Cable)	RP-SMA	916	10.85	10.04	9.37
712—ANT-916-MHWSMAS	ANT-916-MHWSMAS	MHW Series - Stick-On 1/2-wave Dipole (Short, 79" Cable)	SMA	916	10.85	10.04	9.37
712—ANT-DB1-HDP-RPS	ANT-DB1-HDP-RPS	HDP Series - Stick-On Horizontal 1/2-wave Dipole 860MHz/1.77GHz	RP-SMA	Dual Band	8.38	7.75	7.50
712—ANT-DB1-HDP-TNC	ANT-DB1-HDP-TNC	HDP Series - Stick-On Horizontal 1/2-wave Dipole 860MHz/1.77GHz	TNC	Dual Band	8.38	7.75	7.50
712—ANT-DB1-VDP-RPS	ANT-DB1-VDP-RPS	VDP Series - Stick-On Vertical 1/2-wave Dipole 860MHz/1.77GHz/2.45GHz	RP-SMA	Tri-Band	9.24	8.55	8.26
712—ANT-DB1-VDP-TNC	ANT-DB1-VDP-TNC	VDP Series - Stick-On Vertical 1/2-wave Dipole 860MHz/1.77GHz/2.45GHz	TNC	Tri-Band	9.24	8.55	8.26
712—ANT-DB1-RMS-RPS	ANT-DB1-RMS-RPS	RMS Series - Through-Hole Mount 860MHz/1.77GHz	RP-SMA	Dual Band	12.21	11.29	10.91
712—ANT-868-WRT-RPS	ANT-868-WRT-RPS	WRT Series - Compact Antenna	RP-SMA	868	12.94	11.97	11.43
712—ANT-916-WRT-RPS	ANT-916-WRT-RPS	WRT Series - Compact Antenna	RP-SMA	916	12.94	11.97	11.43
712—ANT-916-WRT-SMA	ANT-916-WRT-SMA	WRT Series - Compact Antenna	SMA	916	12.94	11.97	11.43
712—ANT-2.4-WRT-RPS	ANT-2.4-WRT-RPS	WRT Series - Compact Antenna	RP-SMA	2.45GHz	13.26	12.26	11.71
712—ANT-2.4-WRT-SMA	ANT-2.4-WRT-SMA	WRT Series - Compact Antenna	SMA	2.45GHz	13.26	12.26	11.71
712—ANT-2.4-WRT-UFL	ANT-2.4-WRT-UFL	WRT Series - Compact Antenna	RP-SMA/SMA/U.FL	2.4GHz	13.26	12.26	11.71
712—ANT-418-WRT-RPS	ANT-418-WRT-RPS	WRT Series - Compact Antenna	RP-SMA	418MHz	13.52	12.51	11.95
712—ANT-418-WRT-SMA	ANT-418-WRT-SMA	WRT Series - Compact Antenna	SMA	418MHz	13.52	12.51	11.95
712—ANT-433-WRT-RPS	ANT-433-WRT-RPS	WRT Series - Compact Antenna	RP-SMA	433MHz	13.52	12.51	11.95
712—ANT-433-WRT-SMA	ANT-433-WRT-SMA	WRT Series - Compact Antenna	SMA	433MHz	13.52	12.51	11.95
712—ANT2.4WRTMON-RPS	ANT2.4WRTMON-RPS	WRT-MON Series Permanent Mount 50Ω 1/4-wave Monopole	RP-SMA	2.4-2.5GHz	12.94	11.97	11.43
712—ANT2.4WRTMON-SMA	ANT2.4WRTMON-SMA	WRT-MON Series Permanent Mount 50Ω 1/4-wave Monopole	SMA	2.4-2.5GHz	12.94	11.97	11.43
712—ANT2.4WRTMON-UFL	ANT2.4WRTMON-UFL	WRT-MON Series Permanent Mount 50Ω 1/4-wave Monopole	U.FL/MHF	2.4-2.5GHz	12.94	11.97	11.43

MAGNETIC MOUNT ANTENNAS

For quantities greater than listed, call for quote.

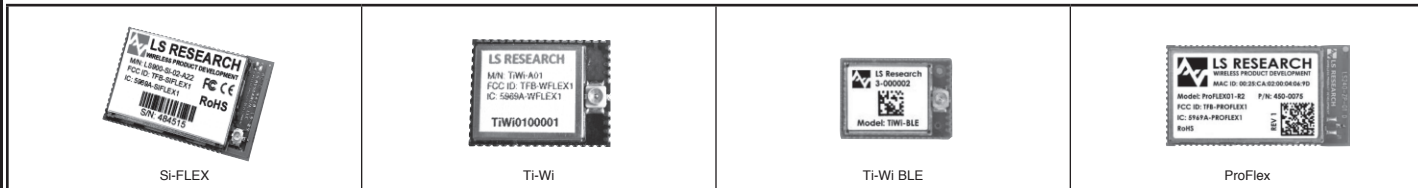| MOUSER STOCK NO.	Linx Tech. Part No.	Description	Type	Frequency (MHz)	Price Each 1	Price Each 25	Price Each 50
712—ANT-ELE-S01-005	ANT-ELE-S01-005	ELE Series - Whip Element for MAG Series Bases	-	860-960	3.15	2.91	2.81
712—ANT-ELE-S01-006	ANT-ELE-S01-006	ELE Series - Hi-Gain Whip-Element for MAG Bases	-	824-960	3.78	3.50	3.37
712—ANT-ELE-S01-010	ANT-ELE-S01-010	ELE Series - Short Whip-Element for MAG Bases	-	860-960	3.10	2.88	2.78
712—ANT-ELE-S01-011	ANT-ELE-S01-011	ELE Series - Stub Element for MAG Bases	-	2.45GHz	3.08	2.85	2.75
712—ANT-MAG-B50-RPS	ANT-MAG-B50-RPS	MAG Series - 50mm Magnetic Base	RP-SMA	-	7.01	6.49	6.41
712—ANT-MAG-B50-TNC	ANT-MAG-B50-TNC	MAG Series - 50mm Magnetic Base	TNC	-	7.01	6.49	6.41
712—ANT-MAG-B66-RPS	ANT-MAG-B66-RPS	MAG Series - 66mm Magnetic Base	RP-SMA	-	7.82	7.23	7.15
712—ANT-MAG-B66-TNC	ANT-MAG-B66-TNC	MAG Series - 66mm Magnetic Base	TNC	-	7.82	7.23	7.15
712—ANT-MAG-B85-RPS	ANT-MAG-B85-RPS	MAG Series - 85mm Magnetic Base	RP-SMA	-	8.61	7.97	7.87
712—ANT-MAG-B85-TNC	ANT-MAG-B85-TNC	MAG Series - 85mm Magnetic Base	TNC	-	8.61	7.97	7.87

GPS ANTENNAS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Linx Tech. Part No.	Description	Type	Frequency (MHz)	Price Each 1	Price Each 25	Price Each 50
712—ANT-GPS-UC-SMA	ANT-GPS-UC-SMA	UC Series - Active GPS Antenna	SMA	1575.42	30.71	28.41	27.53
712—ANT-GPS-SH-MMX	ANT-GPS-SH-MMX	SH Series - Active GPS Antenna	MMCX	1575.42	21.52	19.90	19.24
712—ANT-GPS-SH-SMA	ANT-GPS-SH-SMA	SH Series - Active GPS Antenna	SMA	1575.42	21.52	19.90	17.93

FIXED POINT ANTENNA

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Linx Tech. Part No.	Description	Type	Frequency (MHz)	Price Each 1	Price Each 25	Price Each 50
712—ANT-DB1-LP-RM01N	ANT-DB1-LP-RM01N	DB1-LP Log Periodic Antenna	N	Tri-Band	49.63	45.49	41.38

LS RESEARCH Wireless Modules and Dev Kits

LSR Design. Create. Certify. Connect.

Si-FLEX	Ti-Wi	Ti-Wi BLE	ProFlex

TIWI-BLE TRANSCEIVER MODULES

Features:
- 2.4GHz IEEE 802.11 b/g/n
- Bluetooth 2.1+EDR, Power Class 1.5
- Full support for BT4.0 BLE and ANT
- Miniature footprint: 18mmx13mm
- Terminal for PCB/Chip antenna feeds
- Integrated band-pass filter
- Worldwide acceptance: FCC (USA), IC (Canada), and CE (Europe)
- Based on Texas Instruments WL1271L Transceiver
- Seamless integration with TI OMAP™ application processor
- SDIO host data path interfaces

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	LS Research Part No.	Description	Price Each			
			1	50	100	1000
741-450-0064	450-0064	TiWi-BLE Module with U.FL connector for external antenna	23.75	23.00	22.50	21.75
741-450-0097	450-0097	COM6L-BLE Adapter Card	42.64	-	-	-

PROFLEX ZIGBEE TRANSCEIVER MODULES

Features:
- 2.4GHz Output Frequency
- 100mW output power
- Long range: 4000 feet
- Miniature footprint: 1.63"x0.9"x0.2"
- Powerful Texas Instruments 256k MSP430 with 802.15.4 MAC or ZigBee Stack
- LSR serial interface based on 802.15.4 MAC
- Low power operation

MOUSER STOCK NO.	LS Research Part No.	Description	Price Each			
			1	50	100	1000
741-450-0075	450-0075	ProFLEX01-R2 Module with PCB F Antenna	29.61	29.00	28.43	26.65
741-450-0076	450-0076	ProFLEX01-R2 Module with U.FL connector for external antenna	31.24	30.60	29.99	28.11

SIFLEX DEVELOPMENT TOOLS

Features:
- 900MHz DSSS 802.15.4/ZigBee/6LoWPAN Transceiver
- Very Versatile, Ultra Low Power Microcontroller Platform
- Serial Communications API (UART)
- Open Hardware Platform to Enable User Developed Application Code
- Simple SiFLEX Network Protocol: Star Networks
  - Simple Repeating
  - AES Encryption
  - Data Rate up to 1Mbps

Specifications:
- 250mW RF Output Power
- RF Sensitivity up to -102dBm
- FCC/IC Approved (pending)
- 2.0V to 3.45V Operation
- 256K Flash/16K RAM/4K EEPROM
- Power Consumption: 300mA in Transmit
  - 30mA in Receive
  - <5uA in Sleep

741-001-0002	001-0002	900MHz Dipole Antenna for Si-Flex U.FL Module	15.00	14.85	14.50	14.00
741-080-0001	80-0001	U.FL to Reverse Polarity-SMA Bulkhead Cable for Si-Flex U.FL Module	4.40	4.10	4.07	4.00

TIWI

TIWI5 Transceiver Module

Features:
- 802.11 a/b/g/n and Bluetooth® 2.1+EDR, 3.0, 4.0 (BLE), and ANT compliant
- 2.4 and 5.8GHz operation
- Supports requirements for WiFi Protected Access (WPA and WPA2.0) and IEEE 802.11i
- Works with IEEE std 802.1x for VPN
- Terminal for PCB/Chip antenna feeds
- Integrated band-pass filters
- Seamless integration with TI OMAP™ application processors
- SDIO host data path interfaces
- Bluetooth advanced audio interfaces
- Low power operation modes

Specifications:
- Vcc min: 3.0V
- Vcc max: 4.8V
- Temp range: -40 to +85°C
- Miniature footprint: 18x13x1.9mm

741-450-0053	450-0053	TiWi5-R2 Module with Terminal for PCB/Chip Antenna Feeds	36.39	35.47	35.47	35.03
Development Tools						
741-450-0085	450-0085	COM6L-T5 TiWi5 Adapter Card with U.FL	61.23	-	-	-
741-450-0109	450-0109	COM6L to BeagleBoard Adapter Board for use with COM6L-T5, COM6L-BLE	42.64	-	-	-

TiWi-R2 Transceiver Module

Features:
- IEEE 802.11 b,g,n,d,e,i, compliant
- Typical WLAN Transmit Power:
  20.0dBm, 11Mbps, CCK (b)
  14.5dBm, 54Mbps, OFDM (g)
  12.5dBm, 65Mbps, OFDM (n)
  Output Power: 9.5dBm, Class 1.5
- Bluetooth 2.1+EDR, Power Class 1.5
- Typical WLAN Transmit Power:
  - 89dBm, 8% PER,11Mbps
  - 76dBm, 10% PER, 54Mbps
  - 73dBm, 10% PER, 65Mbps

Specifications:
- Miniature footprint: 18x13x1.9mm
- Terminal for PCB/Chip antenna feeds
- Integrated band-pass filter
- Compact design based on Texas Instruments WL1271WSP Transceiver
- Seamless integration with TI OMAP™ application processor
- SDIO Host data path interfaces
- Bluetooth Advanced Audio Interfaces
- Low power operation mode
- Streamlined development with LSR design services

741-450-0037	450-0037	TiWi01-R2 Module U.FL Connector, WiFi/802.11	23.00	22.50	22.50	22.20

TiWi-SL Transceiver Module

Features:
- IEEE 802.11 b/g compliant.
- Typical WLAN Transmit Power:
  +19.0dBm, 11Mbps, CCK (b)
  +15dBm, 54Mbps, OFDM (g)
- Typical WLAN Sensitivity:
  -85dBm, 8% PER,11Mbps
  -70dBm, 10% PER, 54Mbps

Specifications:
- Miniature footprint: 14x21x2.3mm
- Operating Voltage: 2.9V to 3.6V
- Embedded network stack
- Wireless Security WEP, WPA Personal, WPA2 Personal
- Terminal for PCB/Chip antenna feeds
- Compact design based on Texas Instruments CC3000 transceiver
- SPI host interface
- Simple integration with microcontrollers and microprocessors
- Streamlined development with LSR design services

741-450-0067	450-0067	TiWi-SL Module	27.86	27.13	26.45	26.11
Development Tools						
741-450-0089	450-0089	TiWi-SL Eval Module Board-Chip Antenna	53.46	-	-	-

TiWi-uB1 Transceiver Module

Features:
- Built in CC2541 single-chip Bluetooth Smart 4.0 (BLE) System-on-chip
- Operating voltage: 2.0V to 3.6V
- Low power consumption
- Miniature footprint: 11.6x17.9x2.3mm
- RF Output Power: 0dBm, Class 3

741-450-0103C	450-0103C	TiWi-uB1 Module	13.00	11.50	10.50	9.00
Development Tool						
741-450-0120	450-0120	Evaluation board for testing TiWi-uB1	52.00	-	-	-

### TiWi-uB2 Transceiver Module

Features:
- Built-in CC2564 single-chip Bluetooth fully supports BT 2.1 + EDR, 4.0 (BLE)
- Support for Class 1.5 applications
- Certified with off module chip and dipole antennas
- Integrated band-pass filter

Specifications:
- Miniature size and low height profile: 7x7x1.5mm
- Power consumption: 47.1mA in transmit, 13.0mA in receive
- Operating voltage: 2.2V to 4.8V
- Ultra low power scan
- RF output power: +10dBm (Class 1.5)
- RF receive sensitivity: up to -94dBm
- Supports multiple antenna options

741-450-0104	450-0104	TiWi-uB2 Bluetooth Module	8.99	8.87	8.53	8.38
Development Tools						
741-450-0105	450-0105	TiWi-uB2 Bluetooth EM Board	49.00	-	-	-

MICREL Interface, RF Transmitters and Receivers

QFN-48	QFN-32 / MLF-32	QFN-64	LQFP-48		TQFP-48
			QFN-24		PQFP-128 / PQFP-208
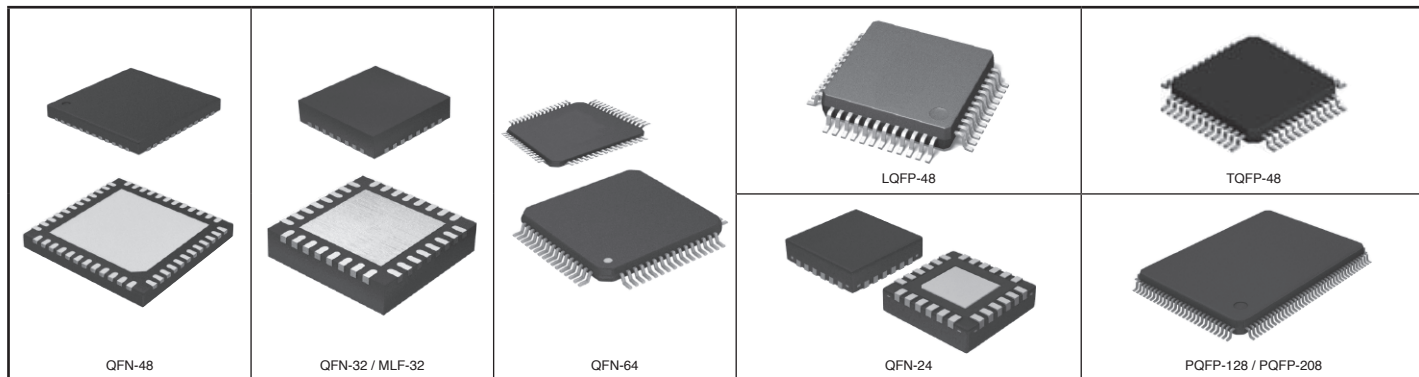
INTERFACE

Ethernet Transceivers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Micrel Part No.	Package	Supply Voltage (V)	Supply Current (mA)	Data Rate	Ports	Interface	Function	Standard Supported	Operating Temperature (°C)	Price Each			
											1	10	100	500
998-KSZ9031RNXCA	KSZ9031RNXCA	QFN-48	3.3	0.01	10/100/1000Mb/s	1	RGMII	PHY	IEEE 802.3	-45 to 85	5.43	4.43	3.62	3.16
998-KSZ8091MNXCA	KSZ8091MNXCA	QFN-32	3.3	34	10/100Mb/s	1	MII	PHY	IEEE 802.3	-40 to 85	2.06	1.59	1.29	1.12
998-KSZ8091RNBCA	KSZ8091RNBCA	QFN-32	3.3	34	10/100Mb/s	1	RMII	PHY	IEEE 802.3	-40 to 85	2.06	1.59	1.29	1.12
998-KSZ8081MLXCATR	KSZ8081MLXCA TR	LQFP-48	3.3	47	10/100Mb/s	1	MII	PHY	IEEE 802.3	0 to 70	1.96	1.51	1.23	1.06
998-KSZ8081MNXCATR	KSZ8081MNXCA TR	QFN-32	3.3	47	10/100Mb/s	1	RMII	PHY	IEEE 802.3	0 to 70	1.85	1.47	1.15	1.02
998-KSZ8081RNACATR	KSZ8081RNACA TR	QFN-24	3.3	47	10/100Mb/s	1	RMII	PHY	IEEE 802.3	0 to 70	1.59	1.26	.987	.881
998-KSZ8081RNBCATR	KSZ8081RNBCA TR	QFN-32	3.3	47	10/100Mb/s	1	RMII	PHY	IEEE 802.3	0 to 70	1.85	1.47	1.15	1.02
998-KSZ8081RNDCATR	KSZ8081RNDCA TR	QFN-24	3.3	47	10/100Mb/s	1	RMII	PHY	IEEE 802.3	0 to 70	1.59	1.26	.987	.881
998-KSZ8001L	KSZ8001L	LQFP-48	3.3	52	10/100Mb/s	1	MII/RMII/SMII	PHY	IEEE 802.3u	0 to 70	4.89	3.99	3.26	2.85
998-KSZ8041RNLTR	KSZ8041RNL TR	MLF-32	3.3	53	10/100Mb/s	1	RMII	PHY	IEEE 802.3u	0 to 70	2.48	1.91	1.56	1.34
998-KSZ8041RNLITR	KSZ8041RNLI TR	MLF-32	3.3	53	10/100Mb/s	1	RMII	PHY	IEEE 802.3u	-40 to 85	2.94	2.26	1.84	1.59
998-KSZ8041MLL	KSZ8041MLL	LQFP-48	3.3	58.3	10/100Mb/s	1	MII	PHY	IEEE 802.3u	0 to 70	3.04	2.34	1.91	1.65
998-KSZ8041MLLTR	KSZ8041MLL TR	LQFP-48	3.3	58.3	10/100Mb/s	1	MII	PHY	IEEE 802.3u	0 to 70	3.04	2.34	1.91	1.65
998-KSZ8041NLTR	KSZ8041NL TR	MLF-32	3.3	58.3	10/100Mb/s	1	MII/RMII	PHY	IEEE 802.3u	0 to 70	3.08	2.37	1.93	1.67
998-KSZ8041NLITR	KSZ8041NLI TR	MLF-32	3.3	58.3	10/100Mb/s	1	MII/RMII	PHY	IEEE 802.3u	-40 to 85	4.53	3.69	3.02	2.64
998-KSZ8721BT	KSZ8721BT	TQFP-48	3.3	144	10/100Mb/s	1	MII/RMII	PHY	IEEE 802.3u	0 to 70	4.26	3.47	2.84	2.48
998-KSZ8721BL	KSZ8721BL	LQFP-48	3.3	151	10/100Mb/s	1	MII/RMII	PHY	IEEE 802.3u	0 to 70	5.31	4.33	3.54	3.09
998-KSZ8721BLTR	KSZ8721BL TR	LQFP-48	3.3	151	10/100Mb/s	1	MII/RMII	PHY	IEEE 802.3u	0 to 70	5.31	4.33	3.54	3.09
998-KSZ8721BLI	KSZ8721BLI	LQFP-48	3.3	151	10/100Mb/s	1	MII/RMII	PHY	IEEE 802.3u	-40 to 85	6.99	5.70	4.66	4.07
998-KSZ8721CL	KSZ8721CL	LQFP-48	3.3	151	10/100Mb/s	1	MII/RMII	PHY	IEEE 802.3u	0 to 70	4.56	3.72	3.04	2.66
998-KSZ9031MNXCA	KSZ9031MNXCA	QFN-64	3.3	221	10/100/1000Mb/s	1	GMII/MII	PHY	IEEE 802.3	0 to 70	5.85	4.77	3.90	3.41
998-KSZ9021GN	KSZ9021GN	QFN-64	3.3	555	10/100/1000Mb/s	1	GMII/MII	PHY	IEEE 802.3	0 to 70	7.38	6.02	4.92	4.30
998-KSZ9021GNI	KSZ9021GNI	QFN-64	3.3	555	10/100/1000Mb/s	1	GMII/MII	PHY	IEEE 802.3	-40 to 85	8.82	7.32	5.99	5.49
998-KSZ9021GQI	KSZ9021GQI	PQFP-128	3.3	555	10/100/1000Mb/s	1	GMII/MII	PHY	IEEE 802.3	-40 to 85	9.59	7.96	6.51	5.97
998-KSZ9021RN	KSZ9021RN	QFN-48	3.3	563	10/100/1000Mb/s	1	RGMII	PHY	IEEE 802.3	0 to 70	7.38	6.02	4.92	4.30
998-KSZ9031MNXIA	KSZ9031MNXIA	QFN-64	3.5	221	10/100/1000Mb/s	1	GMII/MII	PHY	IEEE 802.3	-40 to 85	7.02	5.73	4.68	4.09
998-KSZ9031RNXIA	KSZ9031RNXIA	QFN-48	3.5	221	10/100/1000Mb/s	1	RGMII	PHY	IEEE 802.3	-40 to 85	7.17	5.85	4.78	4.18
Evaluation Boards				Description										
998-KSZ8031RNL-EVAL	KSZ8031RNL-EVAL	KSZ8031RNL 3.3V, 10Base-T/100Base-TX Physical Layer Transceiver with RMII Support (24-QFN)									156.25	-	-	-
998-KSZ8051MLL-EVAL	KSZ8051MLL-EVAL	KSZ8051MLL, 3.3V, 10Base-T/100Base-TX Physical Layer Transceiver with MII Support (48-LQFP)									137.50	-	-	-
998-KSZ8051MNL-EVAL	KSZ8051MNL-EVAL	KSZ8051MNL, 3.3V, 10Base-T/100Base-TX Physical Layer Transceiver with MII Support (32-QFN)									118.75	-	-	-
998-KSZ8051RNL-EVAL	KSZ8051RNL-EVAL	KSZ8051RNL, 3.3V, 10Base-T/100Base-TX Physical Layer Transceiver with RMII Support (32-QFN)									118.75	-	-	-
998-KSZ8081MNX-EVAL	KSZ8081MNX-EVAL	KSZ8081MNX, 3.3V, 10Base-T/100Base-TX Physical Layer Transceiver with MII Support (32-QFN)									100.00	-	-	-
998-KSZ8081RNA-EVAL	KSZ8081RNA-EVAL	KSZ8081RNA, 3.3V, 10Base-T/100Base-TX Physical Layer Transceiver with RMII Support (24-QFN)									125.00	-	-	-
998-KSZ8081RNB-EVAL	KSZ8081RNB-EVAL	KSZ8081RNB, 3.3V, 10Base-T/100Base-TX Physical Layer Transceiver with RMII Support (32-QFN)									100.00	-	-	-
998-KSZ8081RND-EVAL	KSZ8081RND-EVAL	KSZ8081RND, 3.3V, 10Base-T/100Base-TX Physical Layer Transceiver with RMII Support (QFN-24)									100.00	-	-	-
998-KSZ8091MLX-EVAL	KSZ8091MLX-EVAL	KSZ8091MLX, 3.3V, 10Base-T/100Base-TX Physical Layer Transceiver with MII Support (LQFN-48)									100.00	-	-	-
998-KSZ8091MNX-EVAL	KSZ8091MNX-EVAL	KSZ8091MNX, 5V, 10Base-T/100Base-TX Physical Layer Transceiver with MII Support (QFN-32)									100.00	-	-	-
998-KSZ8091RNA-EVAL	KSZ8091RNA-EVAL	KSZ8091RNA, 3.3V, 10Base-T/100Base-TX Physical Layer Transceiver with RMII Support (QFN-24)									100.00	-	-	-
998-KSZ8091RNB-EVAL	KSZ8091RNB-EVAL	KSZ8091RNB, 5V, 10Base-T/100Base-TX Physical Layer Transceiver with RMII Support (QFN-32)									100.00	-	-	-
998-KSZ8091RND-EVAL	KSZ8091RND-EVAL	KSZ8091RND, 3.3V, 10Base-T/100Base-TX Physical Layer Transceiver with RMII Support (QFN-24)									100.00	-	-	-
998-KSZ9031MNX-EVAL	KSZ9031MNX-EVAL	KSZ9031MNX, 3.3V, 10Base-T/100Base-TX/1000Base-T Physical Layer Transceiver with GMII/MII Support									168.75	-	-	-
998-KSZ9031RNX-EVAL	KSZ9031RNX-EVAL	KSZ9031RNX, 3.3V, 10Base-T/100Base-TX/1000Base-T Physical Layer Transceiver with RGMII Support									137.50	-	-	-

Ethernet Switch/Repeaters

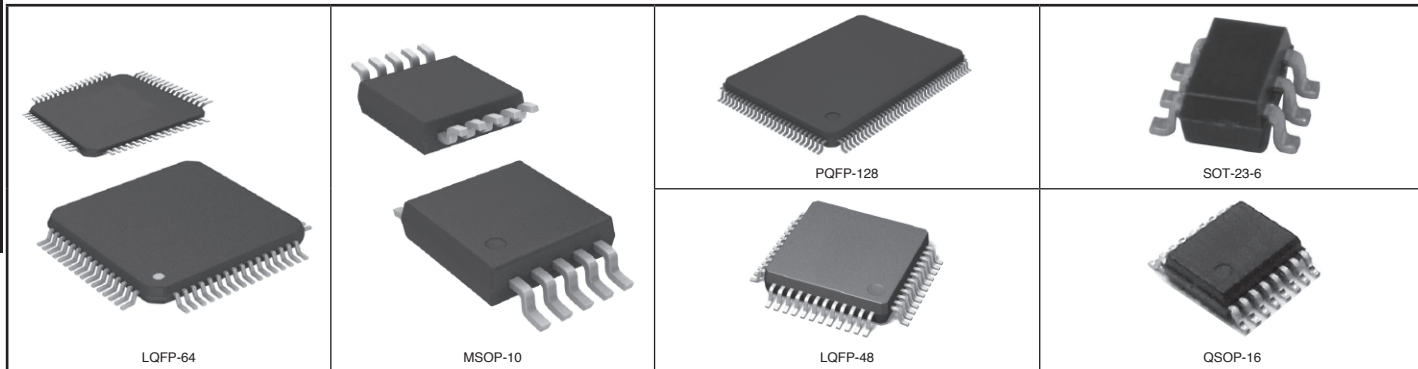For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Micrel Part No.	Package	Bits	Supply Voltage (V)	Supply Current (mA)	Data Rate	Ports	Interface	Function	Interface	Operating Temperature (°C)	Price Each			
												1	10	100	500
998-KSZ8842-16MQL	KSZ8842-16MQL	PQFP-128	16	3.5	122	10/100Mb/s	2	MII	PHY	Non-PCI	0 to 70	11.95	10.14	8.57	8.06
998-KSZ8842-32MQL	KSZ8842-32MQL	PQFP-128	32	3.5	122	10/100Mb/s	2	MII	PHY	Non-PCI	0 to 70	12.53	10.62	8.99	8.44

Ethernet Switches

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Micrel Part No.	Package	Supply Voltage (V)	Supply Current (mA)	Data Rate	Ports	Function	Interface	Operating Temperature (°C)	Price Each			
										1	10	100	500
998-KSZ8997	KSZ8997	PQFP-128	2.3	900	10/100Mb/s	8	PHY	MAC	0 to 70	20.17	18.81	16.35	14.50
998-KSZ8999	KSZ8999	PQFP-208	2.3	1320	10/100Mb/s	8	PHY	MII	0 to 70	21.33	19.89	17.29	15.33
998-KSZ8999I	KSZ8999I	PQFP-208	2.3	1320	10/100Mb/s	8	PHY	MII	-40 to 85	31.11	29.00	25.21	22.36
998-KSZ8462HLI	KSZ8462HLI	LQFP-64	3.3	-	-	3	PHY	-	-40 to 85	23.78	20.16	17.06	16.03
998-KSZ8463MLI	KSZ8463MLI	LQFP-64	3.3	-	-	3	PHY	MII	-40 to 85	21.61	18.33	15.51	14.57
998-KSZ8463RLI	KSZ8463RLI	LQFP-64	3.3	-	-	3	PHY	RMII	-40 to 85	21.61	18.33	15.51	14.57
998-KSZ8993M	KSZ8993M	PQFP-128	3.5	92	10/100Mb/s	2	PHY	MAC	0 to 70	10.06	8.36	6.83	6.27

MICREL Interface, RF Transmitters and Receivers

LQFP-64	MSOP-10	PQFP-128 / SOT-23-6
		LQFP-48 / QSOP-16

INTERFACE (CONT.)

Ethernet Switches (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Micrel Part No.	Package	Supply Voltage (V)	Supply Current (mA)	Data Rate	Ports	Interface	Function	Operating Temperature (°C)	Price Each			
										1	10	100	500
998-KSZ8993998-MI	KSZ8993MI	PQFP-128	3.5	92	10/100Mb/s	2	PHY	MAC	-40 to 85	12.23	10.37	8.77	8.24
998-KSZ8873MMLI	KSZ8873MMLI	LQFP-64	3.5	105	10/100Mb/s	3	PHY	MII	-40 to 85	10.14	8.42	6.89	6.31
998-KSZ8863FLL	KSZ8863FLL	LQFP-48	3.5	114	10/100Mb/s	3	PHY	RMII	0 to 70	6.51	5.31	4.34	3.79
998-KSZ8863RLLI	KSZ8863RLLI	LQFP-48	3.5	114	10/100Mb/s	3	PHY	RMII	-40 to 85	7.10	5.89	4.82	4.42
998-KSZ8873FLL	KSZ8873FLL	LQFP-64	3.5	115	10/100Mb/s	3	PHY	MAC	0 to 70	7.65	6.35	5.20	4.76
998-KSZ8873FLLI	KSZ8873FLLI	LQFP-64	3.5	115	10/100Mb/s	3	PHY	MAC	-40 to 85	10.14	8.42	6.89	6.31
998-KSZ8893MQL	KSZ8893MQL	PQFP-128	3.5	120	10/100Mb/s	2	PHY	MII	0 to 70	12.98	10.78	8.81	8.08
998-KSZ8993	KSZ8993	PQFP-128	3.5	330	10/100Mb/s	3	PHY	MAC	0 to 70	12.41	10.53	8.90	8.36
998-KSZ8993I	KSZ8993I	PQFP-128	3.5	330	10/100Mb/s	3	PHY	MAC	-40 to 85	18.25	15.48	13.10	12.30
998-KSZ8995XA	KSZ8995XA	PQFP-128	3.5	347	10/100Mb/s	5	PHY	MAC	0 to 70	10.46	8.69	7.10	6.51
998-KSZ8995M	KSZ8995M	PQFP-128	3.5	375	10/100Mb/s	5	PHY	MAC	0 to 70	12.08	10.03	8.20	7.52
998-KSZ8995MA	KSZ8995MA	PQFP-128	3.5	375	10/100Mb/s	5	PHY	MAC	0 to 70	11.26	9.35	7.64	7.01
998-KSZ8995MAI	KSZ8995MAI	PQFP-128	3.5	375	10/100Mb/s	5	PHY	MAC	-40 to 85	15.03	12.75	10.79	10.13
998-KSZ8995998-MI	KSZ8995MI	PQFP-128	3.5	375	10/100Mb/s	5	PHY	MAC	-40 to 85	15.72	13.33	11.28	10.60

Evaluation Boards		Description						
998-KSZ8462HLI-EVAL	KSZ8462HLI-EVAL	KSZ8462HLI, 5v, 3-Port 1588v2 Ethernet Switch with Host Processor Interface	437.50	-	-	-
998-KSZ8463MLI-EVAL	KSZ8463MLI-EVAL	KSZ8463MLI, 3.3V, 3-Port 1588v2 Ethernet Switch w/ MII Interface	437.50	-	-	-
998-KSZ8863FLL-EVAL	KSZ8863FLL-EVAL	KSZ8863FLL, 3.3V, 3-Port 10/100 Ethernet Switch with 1x FX Port and 1x TX Port	437.50	-	-	-
998-KSZ8863MLL-EVAL	KSZ8863MLL-EVAL	KSZ8863MLL, 3.3V, 3-Port Copper 10/100 Ethernet Switch with 1x MII Interface	437.50	-	-	-
998-KSZ8863RLL-EVAL	KSZ8863RLL-EVAL	KSZ8863RLL, 3-Port Copper 10/100 Ethernet Switch with 1x RMII Interface	437.50	-	-	-
998-KSZ8873FLL-EVAL	KSZ8873FLL-EVAL	KSZ8873FLL, 3-Port Fast Ethernet Switch with 2x FX Ports	437.50	-	-	-
998-KSZ8873MLL-EVAL	KSZ8873MLL-EVAL	KSZ8873MLL, 3-Port Fast Ethernet Switch with 1x MII Interface	437.50	-	-	-
998-KSZ8873MML-EVAL	KSZ8873MML-EVAL	KSZ8873MML, 3-Port Fast Ethernet Switch with 2x MII Interface	437.50	-	-	-
998-KSZ8873RLL-EVAL	KSZ8873RLL-EVAL	KSZ8873RLL, 3-Port Fast Ethernet Switch with 1x RMII Interface	437.50	-	-	-
998-KSZ8895MQ-EVAL	KSZ8895MQ-EVAL	KSZ8895MQ, 3.3V, 5-Port 10/100 Ethernet Switch with 1x MII Interface	381.25	-	-	-
998-KSZ8895RQ-EVAL	KSZ8895RQ-EVAL	KSZ8895RQ, 5-Port Switch, one SW5-RMII and one P5-RMII Interface	297.50	-	-	-
998-KSZ8995MA-EVAL	KSZ8995MA-EVAL	KSZ8995MA, 3.3V, 5-Port 10/100 Ethernet Switch with 2x MII Interface	331.25	-	-	-
998-KSZ8995XA-EVAL	KSZ8995XA-EVAL	KSZ8995XA, 3.3V, 5-Port 10/100 Ethernet Switch with 2x MII Interface	331.25	-	-	-
998-KSZ8999-EVAL	KSZ8999-EVAL	KSZ8999, 9-Port 10/100 Ethernet Switch with 1 x MII	331.25	-	-	-

Ethernet Controllers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Micrel Part No.	Package	Supply Voltage (V)	Supply Current (mA)	Data Rate	Ports	Interface	Function	Operating Temperature (°C)	Price Each			
										1	10	100	500
998-KSZ9692PBI	KSZ9692PBI	PBGA-400	1.3	595	5Mb/s	2	PHY	MAC	-40 to 85	36.49	34.02	29.57	26.22

Evaluation Boards		Description				
998-KSZ885116MLLEVAL	KSZ8851-16MLL-EVAL	KSZ8851-16MLL, 3.3V, Single Ethernet Port Controller + Generic (16-bit) Bus Interface (Lead Free)	156.25	-	-	-
998-KSZ885116MQLEVAL	KSZ8851-16MQL-EVAL	KSZ8851-16NQL, 3.3V, Single Ethernet Port Controller + Generic (16-bit) Bus Interface (Lead Free)	250.00	-	-	-
998-KSZ8851SNL-EVAL	KSZ8851SNL-EVAL	KSZ8851SNL, 3.3V, Single Ethernet Port Controller with SPI Interface	125.00	-	-	-
998-KSZ8852HLE-EVAL	KSZ8852HLE-EVAL	KSZ8852HLE, 2-Port Ethernet Controller w/Generic Bus Interface	375.00	-	-	-
998-KSZ8895FMQ-EVAL	KSZ8895FMQ-EVAL	KSZ8895FMQ, 3.3V, 5-Port 10/100 Switch with Fibre Option MII Interface	381.25	-	-	-
998-KSZ8895MLU-EVAL	KSZ8895MLU-EVAL	KSZ8895MLU, 3.3V, 5-Port 10/100 Ethernet Switch with MII Interface	381.25	-	-	-

RF TRANSMITTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Micrel Part No.	Package	Supply Voltage (Max) (V)	Operating Frequency (MHz)	Supply Current (mA)	Output Power (dBm)	Description	Operating Temperature (°C)	Price Each			
									1	10	100	500
998-MICRF112YMM	MICRF112YMM	MSOP-10	3.6	450	6.9	10	ASK/FSK with Shutdown	-40 to 125	1.81	1.44	1.12	1.00
998-MICRF112YMMTR	MICRF112YMM TR	MSOP-10	3.6	450	6.9	10	ASK/FSK with Shutdown	-40 to 125	1.81	1.44	1.12	1.00
998-MICRF113YM6TR	MICRF113YM6 TR	SOT-23-6	3.6	450	12.5	10	ASK	-40 to 125	1.93	1.48	1.21	1.05
998-MAQRF112YMM	MAQRF112YMM	MSOP-10	3.6	450	12.1	10	ASK/FSK with Shutdown	-40 to 125	1.85	1.43	1.16	1.00

RF RECEIVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Micrel Part No.	Package	Supply Voltage (Max) (V)	Operating Frequency (MHz)	Supply Current (mA)	Sensitivity (dBm)	Description	Operating Temperature (°C)	Price Each			
									1	10	100	500
998-MICRF211AYQS	MICRF211AYQS	QSOP-16	3.6	450	6	-110	QwikRadio® ASK	-40 to 105	5.22	4.26	3.48	3.05
998-MICRF220AYQS	MICRF220AYQS	QSOP-16	3.6	450	4.3	-110	ASK/OOK with RSSI and Squelch	-40 to 105	4.17	3.41	2.78	2.43

Evaluation Boards		Description				
998-MICRF112-433EV	MICRF112-433 EV	300 to 450MHz, ASK/FSK +10dBm Transmitter Evaluation Board Tuned for 433MHz	30.00	-	-	-
998-MICRF211-315-EV	MICRF211-315 EV	380MHz to 450MHz, 3.0V to 3.6V, 6mA, 10kbps, ASK Receiver with RSSI and Shutdown	31.63	-	-	-
998-MICRF211-433-EV	MICRF211-433 EV	380MHz to 450MHz, 3.0V to 3.6V, 6mA, 10kbps, ASK Receiver with RSSI and Shutdown	31.63	-	-	-

MICROCHIP RF Wireless Products

MICROCHIP

IEEE STD. 802.11 WI-FI® MODULES

Microchip has added 802.11 wireless communications to its lineup of wireless technologies for the embedded market. Microchip has a Wi-Fi PICtail development board that adds 802.11 capabilities to Microchip's development platforms for the PIC18, PIC24, PIC32, and dsPIC family of microcontrollers. The PICtail development board contains the MRF24WB0MA FCC and Wi-Fi certified module. The Wi-Fi PICtail allows designers to quickly create a direct connection to the Internet by seamlessly connecting to standard 802.11b/g access points. In managing the connection, the MRF24WB0MA module controls the MAC and baseband layers and is connected to the host MCU via an SPI port. The 8/16 or 32-bit Microchip MCU that resides on the Microchip development board controls the TCP/IP networking stack and runs the system application.

Features:
- Compatible with PIC18, PIC24, PIC32 and dsPIC microcontrollers
- IEEE 802.11b compliant wireless solution compatible with b/g/n routers
- Supports infrastructure and Adhoc networks
- MRF24WB0MA small footprint module integrated antenna, MAC, Baseband, RF and power amplifier
- MRF24WB0MA/B module is FCC, IC, Wi-Fi certified, and ROHS, CE and ETSI compliant, providing considerable cost savings and quick time-to-market

- License Free TCP/IP stack supporting standard suite of Internet Protocols
- Built-in EZConfig application to facilitate network provisioning without a keyboard or display
- Built-in ZeroConf (Bonjour, Avahi) application to simplify human interaction
- Supports WEP, WPA, and WPA2 security protocols on module
- Solutions as simple as a single PIC plus WiFi module with power and passives

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-MRF24WB0MARM	MRF24WB0MA/RM	2.4GHz IEEE 802.11b™ Transceiver Module with PCB Antenna	28.49
579-MRF24WB0MBRM	MRF24WB0MB/RM	2.4GHz IEEE 802.11b™ Transceiver Module with uFL Connector	28.49
579-DV102411	DV102411	Demonstration Kit for MRF24B0MA 802.11b™ Transceiver Module	49.99

STAND-ALONE LIN 2.1/SAE J2602 TRANSCEIVERS

Features:
- Compliant with LIN Bus Specifications 1.3, 2.0 and 2.1 and are compliant to SAE J2602
- Support Baud Rates up to 20 Kbaud with LIN-compatible output driver

- 43V load dump protected
- Very low EMI meets stringent OEM requirements
- Very high immunity to RF disturbances meets stringent OEM requirements

- Wide supply voltage, 6.0V-27.0V continuous
- Extended Temperature Range: -40°C to +125°C
- Interface to PIC® MCU EUSART and standard USARTs

MOUSER STOCK NO.	Microchip Part No.	Package Type	Description	1	10	25	100
579-MCP2003EMD	MCP2003-E/MD	DFN-8	Stand Alone LIN Transceiver WAKE pins	1.02	.93	.77	.70
579-MCP2004EMD	MCP2004-E/MD	DFN-8	Stand Alone LIN Transceiver FAULT/TXE pins	1.02	.93	.77	.70
579-MCP2003EP	MCP2003-E/P	PDIP-8	Stand Alone LIN Transceiver WAKE pins	.96	.88	.73	.67
579-MCP2004EP	MCP2004-E/P	PDIP-8	Stand Alone LIN Transceiver FAULT/TXE pins	.96	.88	.73	.67

2.4GHZ IEEE STD. 802.15.4™ RF TRANSCEIVER MODULES

IEEE Std 802.15.4™ is created to address low-cost, low-data rate, and low-power design application for short-range Wireless Personal Area Networks (WPAN). The IEEE 802.15.4 defined standard for wireless connectivity among fixed, portable, and moving devices in a WPAN environment is the foundation for network protocols such as standard based ZigBee® and Microchip's Wireless proprietary MiWi™ and MiWi P2P.

The AC164134 PICTail Plus 2.4GHz RF card includes the Microchip MRF24J40MA transceiver module. The MRF24J40MA is an agency certified module with an integrated PCB antenna mounted on a PICTail Plus edge connector board for the Explorer 16 Development environment.

Features (MRF24J40):
- 2.4GHz IEEE 802.15.4 compliant
- Supports MiWi™, MiWi P2P and ZigBee
- In-line/stand-alone encryption
- Automatic MAC retransmit
- 18mA(RX)/22mA(TX)/2µA(Sleep)

Features (MRF24J40MA):
- Microchip's MRF24J40 2.4GHz transceiver
- Integrated PCB antenna
- FCC (U.S.A.), IC (Canada), and ETSI (Europe) certified

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-MRF24J40-I/ML	MRF24J40-I/ML	2.4GHz IEEE 802.15.4 Transceiver	3.89
579-MRF24J40MA-I/RM	MRF24J40MA-I/RM	2.4GHz IEEE 802.15.4 +0dBm Transceiver Module	9.30
579-AC164134	AC164134	MRF24J40MA PICTail Plus 2.4GHz RF Card	22.00
579-AC182015-1	AC182015-1	ZENA Wireless Adapter is a USB wireless adaptor that connects computers with Microchip wireless products for development	49.95
579-DM182015-1	DM182015-1	8-Bit 2.4GHz Development Kit is an easy-to-use platform for IEEE 802.15.4 application designers	299.00

BLUETOOTH® LOW ENERGY MODULE

MOUSER STOCK NO.	Microchip Part No.	Supply Voltage (V)	Output Power (dBm)	Frequency (GHz)	Data Rate (MB/s)	Sensitivity (dBm)	Antenna	Interface	Price Each			
									1	10	25	100
765-RN4020-V/RM	RN4020-V/RM	3.6	7	2.48	1	-92.5	PCB	AIO, PIO, SPI, UART	10.61	8.84	8.01	7.60
Demonstration Board												
765-RN-4020-PICTAIL	RN-4020-PICTAIL	RN4020 2.48GHz, UART, USB, 3.6V, Bluetooth Low Energy Demonstration Board							49.99	-	-	-

BLUETOOTH DEVELOPMENT TOOLS

MOUSER STOCK NO.	Microchip Part No.	Description	Price Each
579-DM183036	DM183036	Bluetooth evaluation board supports a wide range of PIC24, dsPIC and PIC32 devices	109.99
579-DM320018	DM320018	PIC32MX270F256D 50MHz, 3.3V, PIC32 Bluetooth Starter Kit	79.99

SUB-GHZ TRANSCEIVER RADIO AND PICTAIL PLUS DAUGHTER BOARDS

The Industrial, Scientific and Medical (ISM) unlicensed Sub-Ghz radio frequency bands are used for many short-range, low data-rate, and low-power wireless applications. Microchip provides stand alone transceivers and receiver products along with our family of rfPIC transmitter with embedded PIC® microcontroller. These radio solutions are ideal for AMR Metering, Consumer Electronics, Home, Business, Industrial Automation, Automotive and Medical applications.

The MRF49XA ia a fully integrated Sub-Ghz RF transceiver supporting the 434/868/915MHz ISM frequency band. The MRF49XA supports FSK modulation with FHSS capability is ideal for two-way, short-range wireless applications.

The MRF89XA is a single chip FSK/OOK transceiver capable of operating in the 863-870MHz and 902-928MHz license-free ISM frequency bands, as well as the 950-960MHz frequency band. The low-cost MRF89XA is optimized for very low power consumption (3mA in Receiver mode). It incorporates a baseband modem with data rates up to 200kb/s. Data handling features include a 64-byte FIFO, packet handling, automatic CRC generation and data scrambling. Its highly integrated architecture allows for minimum external component count while still maintaining design flexibility.

Each of the MRF49XA PICtail/PICtail Plus Daughter Boards (579-AC164137-1 and 579-AC164137-2) are a demonstration and development daughter board for the MRF49XA ISM Band Sub-Ghz RF Transceiver. The daughter board can plug into multiple Microchip Technology demonstration and development boards. For example, for 8-bit microcontroller development using the PIC18 Explorer Board (DM183032) or 16-bit microcontroller development using the Explorer 16 Development Board (DM240001).

MOUSER STOCK NO.	Microchip Part No.	Description	1	10	25	100
579-MRF49XA-I/ST	MRF49XA-I/ST	433-930MHz Transceiver	2.82	2.35	2.16	1.95
579-AC164137-1	AC164137-1	434MHz Daughter Board	39.99	-	-	-
579-AC164137-2	AC164137-2	868/915MHz Daughter Board	39.99	-	-	-

MICROCHIP Adapters and Modules

RoHS Compliant **This page of product is RoHS compliant.**

MICROCHIP

A	B	C	D	E
F	G	H	I	J
K	L	M	N	O	P
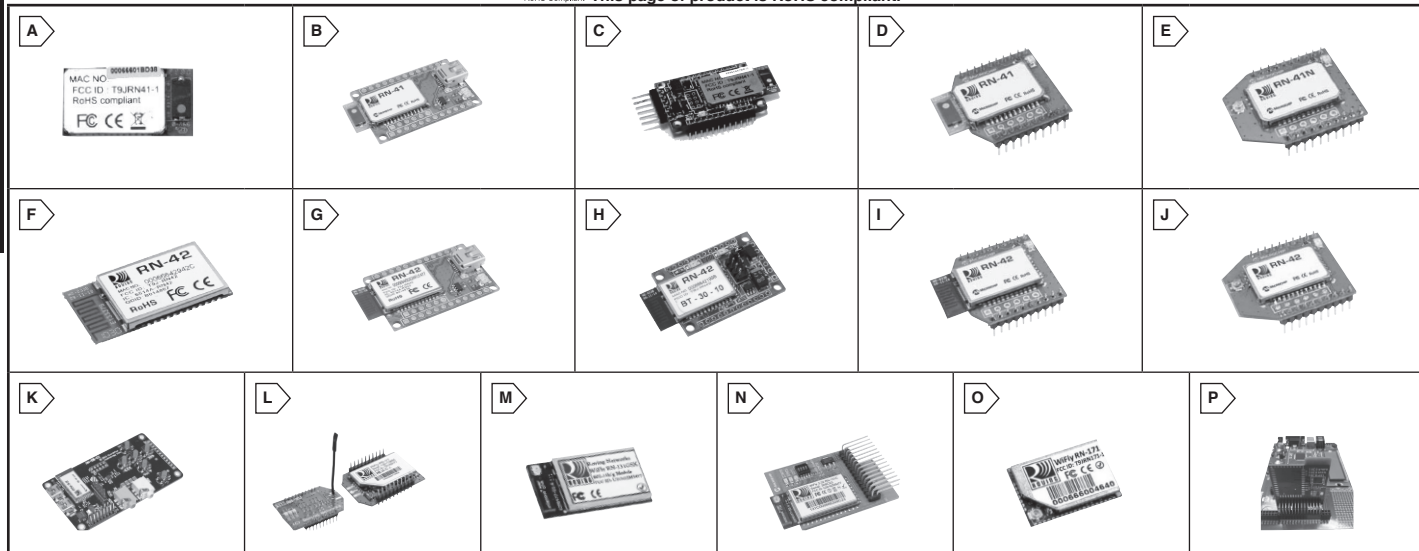
EMBEDDED MODULES AND ADAPTERS

Bluetooth Modules

The RN-41 Class 1 module is available with on board chip antenna and is both FCC/CE certified and bluetooth SIG registered.
The RN-24 super module has voltage regulation, status LEDs, thru hole pins/headers, and chip (S) or SMA (E) Antenna options.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Roving Networks Part No.	Fig.	Description	Range (Meters)	Interfaces	Size (mm)	Price Each
765-RN-41	RN-41	A	Bluetooth v2.0+EDR Class 1	100	UART/USB	13.2x25.8x2.05	26.04
765-RN-41-EK	RN-41-EK	B	Class 1 Bluetooth Evaluation Kit For RN-41	100	UART, USB	44.5x23x5	45.00
765-RN-41-SM	RN-41-SM	C	Bluetooth v2.0+EDR Class 1 Socket Module	100	UART/RS232	40.8x28x8.6	54.00
765-RN41XVC-I/RM	RN41XVC-I/RM	D	XV BT Class 1 socket module w/ chip ant	100	UART, USB	24.4x29.9	34.74
765-RN41XVU-I/RM	RN41XVU-I/RM	E	XV BT Class 1 socket module w/ UFL conn	100	UART, USB	24.4x29	34.74
765-RN-42	RN42-I/RM	F	Class2 Bluetooth module v2.0+EDR, w/ antenna	20	UART, USB	13.4x25.8x2	18.32
765-RN-42-EK	RN-42-EK	G	Class 2 Bluetooth Evaluation Kit For RN-42	20	UART, USB	44.5x23x5	39.00
765-RN-42-SM	RN-42-SM	H	Class 2 Bluetooth 2.1+EDR Socket Module	100	UART	40.8x28x8.6	46.80
765-RN42XVP-I/RM	RN42XVP-I/RM	I	XV BT Class 2 socket module w/ chip ant	20	UART, USB	24.4x29.9	23.94
765-RN42XVU-I/RM	RN42XVU-I/RM	J	XV BT Class 2 socket module w/ UFL conn	20	UART, USB	24.4x29	23.94

Bluetooth Audio Evaluation Kit

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Roving Networks Part No.	Fig.	Description	Range (Meters)	Interfaces	Size (mm)	Price Each
765-RN-52-EK	RN-52-EK	K	RN52 Audio Bluetooth Evaluation Kit	-	-	-	169.95

WiFly™ 802.11b/g GSX Embedded Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Roving Networks Part No.	Fig.	Description	Frequency (MHz)	Number of Channels	Channel Intervals	Price Each
765-RN-XV	RN-XV-W	L	802.15.4 replacement solution with ¼ inch wire antenna	2402-2480	1-14	5MHz	41.94
765-RN-XV-S	RN-XV-S	L	802.15.4 replacement solution with SMA antenna	2402-2480	1-14	5MHz	41.94
765-RN-XV-U	RN-XV-U	L	802.15.4 replacement solution with U.FL. Connector	2402-2480	1-14	5MHz	41.94
765-RN-XV-EK1	RN-XV-EK1	-	USB Serial Converter Board for XVPlatform	2.4GHz	1	-	24.95
765-RN-XV-RD2	RN-XV-RD2	-	XV Relay Board Dual Relay Design	2.4GHz	-	-	99.95
765-RN-131G	RN-131G	M	802.11b/g WiFi GSX Module - Industrial Temperature	2402-2480	1-14	5MHz	42.46
765-RN-131C	RN-131C	M	802.11b/g WiFi GSX Module - Commercial Temperature	2402-2480	1-14	5MHz	36.92
765-RN-131-PICTAIL	RN-131-PICtail	N	WiFi/802.11 Development Tools RN-131 PICtail	-	-	-	44.95
765-RN-131-EK	RN-131-EK	-	RN-131 board with chip antenna, standard firmware	2.4GHz	-	-	79.95
765-RN-171	RN-171	O	WiFly GSX 802.11b/g Module, Industrial Temperature	2402-2480	1-14	5MHz	31.50
765-RN-171-PICTAIL	RN-171-PICtail	P	WiFi/802.11 Development Tools RN-171-PICtail	-	-	-	39.95
765-RN-171-EK	RN-171-EK	-	RN-171 board with PCB trace antenna, standard firmware	2.4GHz	1 - 14	5MHz	69.95

ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Roving Networks Part No.	Description	Price Each 1	10	25
765-RN-SMA-S	RN-SMA-S	1" Antenna, 2.4GHZ, Space Saver	5.82	4.97	4.20
765-RN-SMA4-RP	RN-SMA4-RP	4" Reverse Polarity, Long Range Antenna	7.00	6.15	5.20
765-RN-SMA-4	RN-SMA-4	Antenna with SMA Connector - 2.4GHZ Male 4", base can rotate to any angle for optimal positioning	7.00	6.15	5.20
765-RN-UFL-SMA6	RN-UFL-SMA6	6" Coax Cable with UF.L and RPSMA Connectors	6.00	5.00	3.90

MURATA 802.15.4, FHSS and 802.11

muRata
INNOVATOR IN ELECTRONICS

| Products may be RoHS compliant. | Check mouser.com for RoHS status. |

802.15.4 PRODUCTS

RFMs LPR2430 Series of 802.15.4 2.4GHz modules is comprised of the low-power LPR2430/LPR2430A and the extended range LPR2430ER/LPR2430ERA. The RFM LPR2430 Series modules are easy to integrate and provide robust wireless communications in applications where meshing is not needed or desired.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Description	Transmit Power	Ch.	RF Data Rate	Price Each 1	Price Each 100
725-LPR2430	LPR2430	A	2.4GHz Transceiver Module, Low-Power	1mW	16	250kbps	63.00	51.97
725-LPR2430A	LPR2430A	-	2.4GHz Transceiver Module, Low-Power, w/Chip Antenna	1mW	16	250kbps	41.90	34.56
725-LPR2430ER	LPR2430ER	-	2.4GHz Transceiver Module, Extended Range	10-100mW	15	250kbps	45.00	37.12
725-LPR2430ERA	LPR2430ERA	-	2.4GHz Transceiver Module, Extended Range, w/Chip Antenna	10-100mW	15	250kbps	49.74	41.03
Development Kits								
725-LPR2430DK	LPR2430DK	-	2.4GHz 802.15.4 Development Kit for LPR2430 Transceiver Module	1mW	16	250kbps	258.75	-
725-LPR2430ADK	LPR2430ADK	-	2.4GHz 802.15.4 Development Kit for LPR2430A Transceiver Module	1mW	16	250kbps	258.75	-
725-LPR2430ERADK	LPR2430ERADK	-	2.4GHz 802.15.4 Development Kit for LPR2430ERA Transceiver Module	10-100mW	15	250kbps	258.75	-

FREQUENCY HOPPING SPREAD SPECTRUM PRODUCTS

RFM FHSS transceiver modules are based on RFM proprietary technology to ensure secure, error-free delivery of data that is desirable in industrial and factory environments.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Description	Transmit Power	Ch.	RF Data Rate	Price Each 1	Price Each 100
725-DNT900P	DNT900P	-	900MHz Transceiver Module with I/O	1mW to 1W	50	500kbps	79.90	-
725-DNT900C	DNT900C	-	900MHz Transceiver Module with I/O	1mW to 1W	50	500kbps	79.90	-
725-DNT24P	DNT24P	B	2.4GHz Transceiver Module with I/O, U.FL RF Coax Connection	10, 63mW	15, 24	250kbps	36.20	29.36
725-DNT24C	DNT24C	-	2.4GHz Transceiver Module with I/O, U.FL RF Coax Connection	10, 63mW	15, 24	250kbps	36.20	29.36
725-DNT24PA	DNT24PA	-	2.4GHz Transceiver Module with I/O, Chip Antenna	10, 63mW	15, 24	250kbps	36.20	29.36
725-DNT24CA	DNT24CA	-	2.4GHz Transceiver Module with I/O, Chip Antenna	10, 63mW	15, 24	250kbps	36.20	29.36
725-DNT24MC	DNT24MC	B	2.4GHz FHSS Transceiver Module with I/O	10, 63mW	15	250kbps	36.20	29.36
725-DNT24MP	DNT24MP	B	2.4GHz FHSS Radio Pinned U.FL	10, 63mW	15	250kbps	36.20	29.36
725-DNT24MPA	DNT24MPA	B	2.4GHz FHSS Radio Pinned Chip Ant.	10, 63mW	15	250kbps	36.20	29.36
725-DNT2400P	DNT2400P	C	2.4GHz Transceiver Module with I/O	100mW	50	38.4-500kbps	79.90	-
725-DNT2400C	DNT2400C	C	2.4GHz Transceiver Module with I/O, U.FL Connector or PCB Pad	1, 10, 63mW	50	38.4-500kbps	79.90	-
725-DNT90MC	DNT90MC	D	900MHz FHSS Transceiver Modules with I/O	40/158mW	26	100kbps	36.20	29.36
725-DNT90MCA	DNT90MCA	D	900MHz FHSS Transceiver Modules with I/O	40/158mW	26	100kbps	36.20	29.36
725-DNT90MP	DNT90MP	D	900MHz FHSS Transceiver Modules with I/O	40/158mW	26	100kbps	36.20	29.36
725-DNT90MPA	DNT90MPA	D	900MHz FHSS Transceiver Modules with I/O	40/158mW	26	100kbps	36.20	29.36
725-WIT2410	WIT2410M4G	-	2.4GHz Transceiver OEM Module with Roaming Capability	10/100mW	75	460.8kbps	272.00	-
725-WIT2410S4G	WIT2410S4G	-	2.4GHz Transceiver OEM Module	10/100mW	75	460.8Kbps	272.00	-
Development Kits								
725-DNT24DK	DNT24DK	-	DNT24P Development Kit, 2 boards, antennas, accessories	10, 63mW	15, 24	250kbps	174.13	-
725-DNT900DK	DNT900DK	-	DNT900 Developer Kit	1mW to 1W	50	500kbps	223.75	-
725-DNT2400DK	DNT2400DK	-	DNT2400 Development Kit	100mW	50	38.4-500kbps	223.75	-
725-WIT2450DK	WIT2450DK	-	WIT2450 Development Kit	40/100/250mW	95	460.8Kbps	686.25	-
719-WIT2410DK	WIT2410DK	-	WIT2410 Development Kit	10/100mW	75	460.8Kbps	998.75	-

TRANSCEIVER MODULES

The DNT90 FHSS transceiver module provides a low-cost, versatile solution for wireless data communications in the 900MHz ISM band. The DNT90 RF output power can be set at 40 or 158mW. The DNT90 receiver input is protected by low-loss SAW filter, providing an excellent combination of receiver sensitivity and out-of-band interference rejection. The DNT90 module includes analog, digital and serial I/O, providing the flexibility to serve applications ranging from cable replacements to sensor networks. The DNT90 transceiver module is easy to integrate and provides reliable wireless communications up to 5 miles in line-of-sight installations.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Description	Transmit Power	Ch.	Data Rate	Price Each 1	Price Each 100
725-DNT90P	DNT90P	E	900MHz 150mW Pinned Version	40/158mW	1	100bps	36.20	29.36
725-DNT90C	DNT90C	E	900MHz 150mW SMD version	40/158mW	1	100bps	36.20	29.36
Development Kit								
725-DNT90DK	DNT90DK	E	900MHz 150mW Dev Kit	40/158mW	1	100bps	174.13	-

802.11 PRODUCTS

RFM's WSN802G is a 2.4GHz IEEE 802.11g Radio Transceiver Module that enables OEMs to build low-power wireless local area networking (WLAN) and sensor monitoring solutions for the global market. The WSN802G delivers an exceptionally low power profile and long battery life capabilities in a fully functional, certified radio module that is easily interfaced to existing 802.11. b/g infrastructure for a wide variety of sensor monitoring and WLAN applications.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Description	Transmit Power	Ch.	Data Rate	Price Each 1	Price Each 100
725-WSN802GCA	WSN802GCA	F	802.11g Wireless Sensor Network Module - Integral Chip Antenna	10mW	11	1-11Mbps	83.02	-
Development Kit								
725-WSN802GDK	WSN802GDK	F	2.4GHz 802.11g Development Kit	10mW	14	1 or 2Mbps	121.63	-

WIFI/BLUETOOTH COMBO SHORT-RANGE RADIO MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Description	Frequency	Bluetooth	Data Rate	Price Each 1	Price Each 10	Price Each 50	Price Each 100
725-DR-WLS1273L-102	DR-WLS1273L-102	G	802.11a/b/g plus Bluetooth module	2.412-2.462 GHz, 5.180-5.320 GHz	4.0+EDR, Power Class 1.5 +BLE	1-65 Mbps	37.78	36.83	33.99	31.16

WIFI 802.11 B/G/N BLUETOOTH V4 BLE TYPE TN MODULE AND COM6M CARD

Features:
- IEEE 802.11 b/g/n WiFi
- Bluetooth v4 with Bluetooth
- Low Energy
- On module system clock
- DC-DC voltage regulation
- On module U.FL coaxial
- High peripheral integration
- Pre-integration to select platforms
- FCC/IC Certification

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Description	Interface Type	Supply Voltage (V)	For Use With	Dimensions (mm)	Chipset	Antenna	Price Each
81-LBEE5ZSTNC-523-D	LBEE5ZSTNC-523-D	H	Com6M Board for Type TN Module	SDIO for WLAN, UART -PCM for Bluetooth	2.7-4.3	TI AM335x EVM	36.36x45.43x1.6	TI WL 12711L	U.FL, Internal	90.00
81-LBEE5ZSTNC-523	LBEE5ZSTNC-523	I	WiFi/802.11 Modules 802.11b/g/n WiFi BT Type TN Module	UART	1.8-3.6	Type TN – WiFi/ BT Module	17.0x10.1x22.0	WL1271L	U.FL, Internal	30.28

AYLA PLATFORM MODULE AND KIT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Frequency (GHz)	Interface Type	Antenna	Supply Voltage (V)	Data Rate (Mbps)	Transmit Power Max. (dBm)	Price Each 1	Price Each 10	Price Each 100
81-LBWB1ZZYDZ-683	LBWB1ZZYDZ-683	J	2.4	SPI, UART, USB	External	3.3	114	17	20.00	19.50	16.50
Design Kit				Description							
81-LBWB1ZZYDZAYLAKIT	LBWB1ZZYDZ-BTEMP-AYLAKIT			Ayla Design Kit Featuring Murata Wi-Fi Module					186.25	-	-

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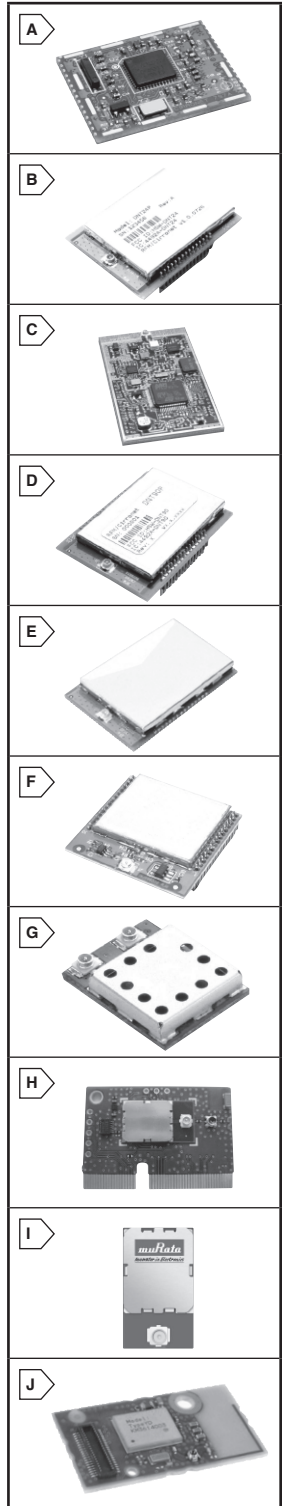
MURATA Short Range Radios and RFICs

muRata
INNOVATOR IN ELECTRONICS

Products may be RoHS compliant. Check mouser.com for RoHS status.

VIRTUAL WIRE RADIO RF MODULES

Features:
- Integrated RF IC with quartz SAW filtering and frequency control components in a single hybrid
- High Data rates for data, control and digitized voice transmissions
- Stable, sensitive receiver technology with excellent "channel capture" performance
- Ultra Low current consumption for operation from small 3V batteries
- Very small, low-profile package to make "watch size" applications practical

- Rugged, self-shielding, metal-ceramic hybrid package
- Wide operating temperature range for industrial and outdoor applications
- Easy to optimize for a wide range of application requirements
- Easy certification to stringent short-range radio regulatory requirements
- No external RF filters, IF filters, resonators or crystals are required

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Description	Power Output	Operating Voltage (VDC)	Operating Temp. (°C)	Price Each 1	Price Each 100	Price Each 250
719-DR3000	DR3000	Transceiver Module 916.500MHZ	.75mW	2.7 - 3.5	-40 to +85	42.16	34.19	33.68
719-DR3300	DR3300	Transceiver Module 916.50MHz	1mW	2.7 - 3.5	-40 to +85	33.26	25.49	24.64
719-DR5000	DR5000	Receiver Module 916.50MHz	--	2.7 - 3.5	-20 to +65	29.35	22.49	21.74
719-DR5100	DR5100	Receiver Module 433.92MHz	1mW	2.7 - 3.5	-20 to +65	37.43	28.69	27.73

RF Modules
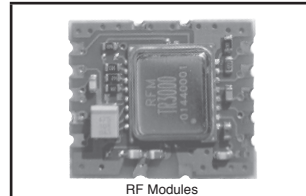
TRANSCEIVERS, RECEIVERS, AND TRANSMITTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Description	Case	Frequency (MHz)	Operating Temp. (°C)	Price Each 1	Price Each 100	Price Each 250
Transceivers - ASH								
719-TR1000	TR1000	ASH Transceiver Module 115.2KBps	SM-20H	916.5	-40 to +85	12.43	9.88	8.47
719-TR1001	TR1001	ASH Transceiver Module 115.2KBps	SM-20H	868.35	-40 to +85	12.43	9.88	8.47
719-TR1100	TR1100	ASH Transceiver Module 115.2KBps	SM-20H	916.5	-40 to +85	11.00	8.75	7.50
719-TR3000	TR3000	ASH Transceiver Module 115.2KBps	SM-20L	433.92	-40 to +85	11.00	8.75	7.50
719-TR3005	TR3005	ASH Transceiver Module 115.2KBps	SM-20H	403.5	-10 to +55	11.00	8.75	7.50
719-TR7000	TR7000	ASH Transceiver Module 115.2KBps	SM3-20H	433.92	-40 to +85	12.10	9.62	8.25
Receivers								
719-RX5000	RX5000	ASH Receiver Module 115.2KBps	SM-20L	433.92	-40 to +85	10.83	8.07	7.00
719-RX5002	RX5002	ASH Receiver Module 115.2KBps	SM-20L	418	-40 to +85	12.11	9.02	7.82
719-RX5003	RX5003	ASH Receiver Module 115.2KBps	SM-20L	303.825	-40 to +85	12.11	9.02	7.82
719-RX5500	RX5500	ASH Receiver Module 19.2KBps	SM-20L	433.92	-40 to +85	12.11	9.02	7.82
719-RX6000	RX6000	ASH Receiver Module 115.2KBps	SM3-20H	916.5	-40 to +85	12.11	9.02	7.82
719-RX6001	RX6001	ASH Receiver Module 115.2KBps	SM-20H	868.35	-40 to +85	12.11	9.02	7.82
Transmitters								
719-TX5000	TX5000	ASH Transceiver Module 115.2KBps	SM-20L	433.92	-40 to +85	12.11	9.02	7.82
719-TX6000	TX6000	ASH Transceiver Module 115.2KBps	SM-20H	916.5	-40 to +85	12.11	9.02	7.82

Transceivers

DEVELOPMENT KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Description	Frequency (MHz)	Price Each
719-DR7001-DK	DR7001-DK	3G Development Kit	315	187.50
719-DR7003-DK	DR7003-DK	3G Development Kit	303.828	187.50
719-DR8000-DK	DR8000-DK	3G Development Kit	916.5	187.50
719-DR8001-DK	DR8001-DK	3G Development Kit	868.35	187.50

Receivers and Transmitters
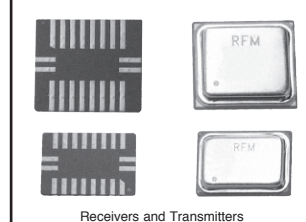
RFICS

Features:
- Integrated PLL, IF, Baseband Circuitry
- Support for Multiple Channels
- Wide Frequency range
- Wide operating supply voltage
- Frequency Hopping Spread Spectrum capability
- Low current consumption
- Very few external components required
- Small size plastic packages

Transceiver

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Description	Frequency	Case	Price Each 1	Price Each 10	Price Each 50	Price Each 100
719-TRC105	TRC105	Multi-channel FSK RFIC	300-510MHz	32-pin QFN-32	5.40	4.86	4.50	3.96

Development Kit

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Description	Frequency (MHz)	Price Each
719-DR-TRC103-915-DK	DR-TRC103-915-DK	TRC103 Development Kit	902-928	262.50
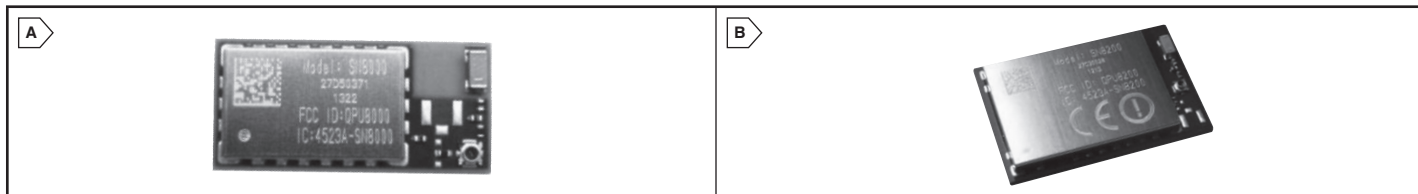
A

B

WIRELESS MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Fig.	Frequency (GHz)	Interface Type	Antenna	Supply Voltage (V)	Data Rate (Mbps)	Transmit Power Max. (dBm)	Supply Current Transmitting (mA)	Supply Current Receiving (mA)	Price Each 1	Price Each 10	Price Each 100
81-88-00153-00	88-00153-00	A	2.4	SDIO, SPI	On Board	2-3.6	11	18.5	315	70	24.20	23.59	19.96
81-88-00153-02	88-00153-02	A	2.4	SDIO, SPI	U.FL	2-3.6	11	18.5	315	70	24.20	23.59	19.96
81-88-00158-00	88-00158-00	B	2.4	I2C, I2S, SPI, UART	On Board	2-3.6	11	18	370	110	36.42	35.50	30.04
81-88-00158-02	88-00158-02	B	2.4	I2C, I2S, SPI, UART	U.FL	2-3.6	11	18	370	110	36.16	35.25	29.83

SN820X DEVELOPMENT KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Description	Price Each
81-88-00153-85	88-00153-85	SN8000EVK Wi-Fi Module Evaluation Kit	235.63
81-88-00153-87	88-00153-87	SN8000UFLEVK Wi-Fi Module, UFL, Evaluation Kit	251.25

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Description	Price Each
81-88-00158-95	88-00158-95	SN8205EVK+ Wi-Fi Evaluation Kit	205.59
81-88-00158-97	88-00158-97	SN8205FUFLEVK+ Wi-Fi Evaluation Kit	211.25

MAGICSTRAP® RFID MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Murata Part No.	Type	Frequency Range (MHz)	EPC (bits)	User Memory (bits)	Read Range	TID (bits)	Function	Dimensions (mm)	Operating Temperature (°C)	Price Each 1	Price Each 10	Price Each 100
81-LXMS31ACNA-009	LXMS31ACNA-009	1	865-955	Up to 240	512	-	64	UHF	3.2 x 6 x 0.7 Max.	-40 to 85	1.24	1.00	.799
81-LXMS31ACNA-010	LXMS31ACNA-010	2	865-955	Up to 240	512	-	64	UHF	3.2 x 6 x 0.7 Max.	-40 to 85	1.74	1.25	.838
81-LXMS31ACNA-011	LXMS31ACNA-011	3	865-955	Up to 240	512	-	64	UHF	3.2 x 6 x 0.7 Max.	-40 to 85	1.24	1.00	.799
81-LXMS31ACNA-012	LXMS31ACNA-012	4	865-955	Up to 240	512	-	64	UHF	3.2 x 6 x 0.7 Max.	-40 to 85	1.24	1.00	.799
81-LXMS33HCNG-134	LXMS33HCNG-134	-	3-30	-	896	15mm @ 200mW	-	HF	3.2 x 3.2 x 0.7 Max.	-40 to 85	3.19	2.57	2.34

NORDIC SEMICONDUCTOR 2.4GHz, Sub-2.4GHz, & Bluetooth ICs ◤ NORDIC SEMICONDUCTOR

RoHS Compliant **This page of product is RoHS compliant.**

ULTRA LOW POWER 2.4GHZ RF TRANSCEIVER IC

Features:
- On-air compatible in 250kbps and 1Mbps with nRF2401A, nRF2402, nRF24E1 and nRF24E2
- 5V tolerant inputs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	RF Channels	Data Rate Max (Mbps)	Transmitter Output Max (dBm)	Receiver Sensitivity @ 2Mbps (dBm)	Power Down Mode (nA)	Standby Current (µA)	Supply Voltage	Price Each 1	10	100
949-NRF24L01P-T	nRF24L01P-T	QFN-20	126	2	-18	-82	900	26	1.9-3.6	3.36	2.70	2.46

2.4GHZ RF SYSTEM ON CHIP

Features:
- Microcontroller: 8051 compatible
- 6-12 bit ADC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	CPU (bits)	CPU Bandwidth (MHz)	GPIO	Memory (kB)	Data Rate Max (Mbps)	Transmitter Output Max (dBm)	Receiver Sensitivity @ 2Mbps (dBm)	Power Down Mode (nA)	Standby Current (µA)	Supply Voltage	Price Each 1	10	100
With Flash Memory															
949-NRF24LE1F1624T	nRF24LE1-F16Q24-T	QFN-24	8	16	7	16	2	-18	-82	500	1	1.9-3.6	6.49	5.22	4.75
949-NRF24LE1F1632TS	nRF24LE1-F16Q32-T	QFN-32	8	16	15	16	2	-18	-82	500	1	1.9-3.6	6.49	5.22	4.75
949-NRF24LE1F1648T	nRF24LE1-F16Q48-T	QFN-48	8	16	31	16	2	-18	-82	500	1	1.9-3.6	6.14	5.63	4.60
With One Time Programmable (OTP) Memory															
949-NRF24LE1O1724T	nRF24LE1-O17Q24-T	QFN-24	8	16	7	16	2	-18	-82	500	1	1.9-3.6	4.56	3.66	3.34
949-NRF24LE1O1732T	nRF24LE1-O17Q32-T	QFN-32	8	16	15	16	2	-18	-82	500	1	1.9-3.6	4.56	3.66	3.34

2.4GHZ RF System On Chip with USB and Flash Memory

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	CPU (bits)	CPU Bandwidth (MHz)	GPIO	Memory (kB)	Data Rate Max (Mbps)	Transmitter Output Max (dBm)	Receiver Sensitivity @ 2Mbps (dBm)	Power Down Mode (nA)	Standby Current (µA)	Supply Voltage	Price Each 1	10	100
949-NRF24LU1PF1632T	nRF24LU1P-F16Q32-T	QFN-32	8	16	6	16	2	-18	-82	500	1	4-5.25	6.49	5.22	4.75
949-NRF24LU1PF3232T	nRF24LU1P-F32Q32-T	QFN-32	8	16	6	32	2	-18	-82	500	1	4-5.25	6.11	5.61	4.59

2.4GHZ RF AUDIO STREAMER ICS

Features:
- Low cost, low power 2.4GHz RF solution for streaming uncompressed CD quality audio
- Embedded custom protocol stack for audio streaming based on Adaptive Frequency Hopping (AFH) for optimal co-existence performance
- I2S interface for direct audio interfacing with an external ADC/DAC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	Latency (ms)	Resolution (bits)	Mono Audio Rate (kHz)	Transmitter Output Max (dBm)	Receiver Sensitivity (dBm)	Supply Voltage Max (V)	Price Each 1	10	100
949-NRF2460-T	nRF2460-T	QFN-36	20	16	32	-12	-80	3.3	4.08	3.28	2.99

ANT RF ICS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	Channels	Data Rate Max (Mbps)	Transmitter Output Max (dBm)	Receiver Sensitivity (dBm)	Standby Current (µA)	Supply Voltage	Price Each 1	10	100
949-NRF24AP21CH32T	nRF24AP2-1CHQ32-T	QFN-32	1	1	+4	-85	0.5	1.9-3.6	6.49	5.22	4.75
949-NRF24AP28CH32T	nRF24AP2-8CHQ32-T	QFN-32	8	1	+4	-85	0.5	1.9-3.6	6.94	5.58	5.08

2.4GHZ MULTI-PROTOCOL SYSTEM ON CHIP

Features:
- Single chip, highly flexible, 2.4GHz multi-protocol device
- 32-bit ARM Cortex M0 CPU core
- 256KB flash 16KB RAM
- Thread-safe and run-time protected
- 3 data rates (2Mbps/1Mbps/250kBs)
- On-air-compatible with nRF24L series
- +4dBm output power
- PPI system for maximum power-efficient applications and code simplification
- Flexible power management features
- Configurable I/O mapping for analog and digital I/O

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	Data Rate Max (Kbps)	Transmitter Output Max (dBm)	Receiver Sensitivity (dBm)	Standby Current (µA)	Supply Voltage	Price Each 1	10	100
Wi-Fi										
949-NRF51422-QFAA-T	nRF51422-QFAA-T	QFN-48	250	-20	-90 at 1Mbs (ANT mode)	2	1.8-3.6	4.87	3.91	3.56
Bluetooth										
949-NRF51822-QFAA-R7	nRF51822-QFAA-R7	QFN-48	250	-20	-90 at 1Mbs	2	1.8-3.6	4.62	3.71	3.38
949-NRF51822-QFAB-R7	nRF51822-QFAB-R7	QFN-48	250	-20	-90 at 1Mbs	2	1.8-3.6	3.83	3.08	2.80
Evaluation Kit			Description							
949-NRF51822-BEACON	nRF51822-beacon		nRF51822 20mm Dia. Bluetooth Smart Beacon Kit					31.95	-	-

SUB 1-GHZ RF

Features:
- Low cost single-chip 433/868/915MHz GFSK RF transceiver IC
- On-air compatible with Nordic nRF9E5 RF SoC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	Data Rate Max (Mbps)	Transmitter Output Max (dBm)	Receiver Sensitivity (dBm)	Standby Current (µA)	Supply Voltage	Price Each 1	10	100
949-NRF905	nRF905	QFN-32	50	10	-100	2.5	1.9-3.6	4.20	3.37	3.07
Development Kits			Description							
949-NRF905-EK868/915	nRF905-EVKIT-868/915		nRF905 Evaluation Kit - 868/915MHz version					312.50	-	-
949-NRF905-EVKIT-433	nRF905-EVKIT-433		nRF905 Evaluation Kit - 433MHz version					332.49	-	-

SUB 1-GHZ RF SYSTEM ON CHIP

Features:
- Microprocessor: Synopsys DW8051 MacroCell

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	CPU	Program Memory (kB)	Data Rate Max (Mbps)	Transmitter Output Max (dBm)	Receiver Sensitivity (dBm)	Standby Current (µA)	Supply Voltage	Price Each 1	10	100
949-NRF9E5	nRF9E5	QFN-32	8051	4	50	10	-100	2.5	1.9-3.6	5.32	4.27	3.89
Development Kit			Description									
949-NRF9E5-EVKIT-433	nRF9E5-EVKIT-433		nRF9E5 Evaluation Kit - 433MHz version						400.00	-	-	

BLUETOOTH LOW ENERGY

Features:
- Fully qualified Bluetooth® v4.0 low energy Connectivity IC with integrated Radio, Link Layer, and Host stack
- Optimized for Peripheral (Slave) role operation
- Fully integrated, low tolerance 32kHz RC oscillator eliminating the need for external 32kHz crystals
- Simple serial interface (ACI) supporting a range of different external application microcontrollers
- Includes temperature sensor

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Nordic Part No.	Package	Data Rate Max (Mbps)	Transmitter Output Max (dBm)	Receiver Sensitivity (dBm)	Standby Current (µA)	Supply Voltage	Price Each 1	10	100
949-NRF8001-R2Q32-T	nRF8001-R2Q32-T	QFN-32	1	4	-87	0.5	1.9-3.6	4.25	3.42	3.11
949-NRF8002-R1Q32-T	nRF8002-R1Q32-T	QFN-32	1	4	-87	2	1.9-3.6	4.25	3.42	3.11

NXP SEMICONDUCTOR Wireless Solutions

RoHS Compliant **This page of product is RoHS compliant.**

WIRELESS MICROCONTROLLERS

JN516x Single Chip, JenNet-IP Zigbee SE and IEEE802.15.4

NXP's JN516x Wireless Microcontroller series is a range of ultra low power, high performance wireless microcontrollers supporting JenNet-IP, ZigBee PRO or RF4CE networking stacks to facilitate the development of Home Automation, Smart Energy, Light Link and Remote control applications. They feature an enhanced 32-bit RISC processor with embedded Flash and EEPROM memory, offering high coding efficiency through variable width instructions, a multi-stage instruction pipeline and low power operation with programmable clock speeds. They also include a 2.4GHz IEEE 802.15.4 compliant transceiver and a comprehensive mix of analogue and digital peripherals. Three memory configurations are available to suit different applications. The best in class operating current of 15mA, with a 0.6uA sleep timer mode, gives excellent battery life allowing operation direct from a coin cell.

Features:
- 32-bit RISC CPU, 1 to 32MHz clock speed
- Variable instruction width for high coding efficiency
- Multi-stage instruction pipeline
  - JN5161: 64kB/8kB/4kB
  - JN5164: 160kB/32kB/4kB
  - JN5168: 256kB/32kB/4kB (Flash/RAM/EEPROM)
- Data EEPROM with guaranteed 100k write operations
- RF4CE, JenNet-IP, ZigBee SE and ZigBee Light Link stacks
- 2-wire I²C compatible serial interface. Can operate as either master or slave
- 5xPWM (4x timer & 1 timer/counter)

- 2 low power sleep counters
- 2x UART
- SPI Master & Slave port, 3 selects
- Supply voltage monitor with 8 programmable thresholds
- 4-input 10-bit ADC, comparator
- Battery and temperature sensors
- Watchdog & Brown Out Reset
- Up to 20 Digital IO Pins (DIO)
- Infrared remote control transmitter

Applications:
- Robust and secure low power wireless applications
- RF4CE Remote Controls
- JenNet-IP networks
- ZigBee SE networks
- ZigBee Light Link networks
- Lighting & Home automation
- Toys and gaming peripherals
- Smart Energy
- Energy harvesting, for example self powered light switch

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package Type	MIPS (MHz)	RAM (kB)	ROM (kB)	ROM Variant	ADC	DAC	Serial Interface	Digital Input-Output Pins	Timers	Price Each		
												1	10	100
771-JN5161/001	JN5161/001,515	QFN-40	32	8	4	Supports all available network stacks	4-Ch 10-Bit	1-Ch 16-Bit	2-Wire, I2C, SPI	20	3	3.85	3.10	2.82
771-JN5164/001	JN5164/001,515	QFN-40	32	32	4	Supports all available network stacks	4-Ch 10-Bit	1-Ch 16-Bit	2-Wire, I2C, SPI	20	3	4.36	3.51	3.19
771-JN5168/001	JN5168/001,515	QFN-40	32	32	4	Supports all available network stacks	4-Ch 10-Bit	1-Ch 16-Bit	2-Wire, I2C, SPI	20	3	5.39	4.34	3.95
771-JN5168-001-M00Z	JN5168-001-M00Z	VFQFN-40	32	32	4	Supports all available network stacks	4-Ch 10-Bit	-	2-Wire, SPI, UART	20	5	15.59	14.18	12.05
771-JN5168-001-M03Z	JN5168-001-M03Z	VFQFN-40	32	32	4	Supports all available network stacks	4-Ch 10-Bit	-	2-Wire, SPI, UART	18	5	15.59	14.18	12.05
771-JN5168-001-M05Z	JN5168-001-M05Z	VFQFN-40	32	32	4	Supports all available network stacks	4-Ch 10-Bit	-	2-Wire, SPI, UART	18	5	21.35	19.42	16.50
771-JN5168-001-M06Z	JN5168-001-M06Z	VFQFN-40	32	32	4	Supports all available network stacks	4-Ch 10-Bit	-	2-Wire, SPI, UART	18	5	20.33	18.81	16.06

RFID READER ICS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package Type	Description	Freq. (MHz)	Standard	Price Each		
						1	10	100
771-HTRC11001AD	HTRC11001T/02EE,11	SO-14	HITAG reader chip for use with HITAG transponder ICs	0.125	-	2.91	2.34	2.13
771-HTRC11001TD-T	HTRC11001T/03EE,11	SO-14	HITAG reader chip for use with HITAG transponder ICs	0.125	-	2.91	2.34	2.13
771-MFRC52301HN1,151	MFRC52301HN1,151	HVQFN-32	Contactless reader IC (MIFARE)	13.56	ISO 14443A, ISO 14443B	6.97	6.27	5.16
771-MFRC53101TD	MFRC53101T/0FE,112	SO-32	Contactless reader IC (MIFARE)	13.56	ISO 14443A, ISO 14443B	13.18	11.98	10.19

RF WIRELESS ICS

Transponder IC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package Type	Standard	Frequency Max. (kHz)	Transmission Principle	Programmed Read Only No. (Bits)	Programmable Memory (Bits)	Price Each		
								1	10	100
771-HTMS8201FTKAF115	HTMS8201FTK/AF,115	SOT-89	ISO 11784, ISO 11785	150	ASK	16	1760	1.56	1.25	.968

Highly Integrated Single Chip Sub RF Transceiver

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Package Type	Frequency Max.	VCC Max. (IV)	ICC (µA) Typ.	Standby Current (µA)	Price Each		
							1	10	100
771-OL2381AHN/C0B515	OL2381AHN/C0B,515	QFN-32	1GHz	3.6	0.5	0.5	3.90	3.13	2.86

ICODE SLIX

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	NXP Part No.	Input Frequency Max. (MHz)	Input Capacitance Max. (pF)	Storage Temperature (°C)	Ptot Max. (mW)	Price Each		
						1	10	100
771-SL2S2002FTB115	SL2S2002FTB,115	13.567	24.7	-55 to +125	125	.49	.323	.233

PHOENIX CONTACT Wireless I/O Systems

PHŒNIX CONTACT
INSPIRING INNOVATIONS

RoHS Compliant. **This page of product is RoHS compliant.**

Wireless Solutions
Phoenix Contact

RADIOLINE WIRELESS I/O COMMUNICATION MODULES
Features:
- High-speed communication, up to 500 kbps
- Real-time I/O monitoring
- 2.4GHz option for short-range applications
- 900MHz option for long-range applications

MOUSER STOCK NO.	Fig.	Phoenix Type	Description	Price Each
651-2901533	A	RAD-DAIO6-IFS	Analog/digital I/O extension module with 2 digital inputs/outputs (0 to 250 V AC/DC) and output (0/4 to 20 mA, 0 to 10 V), with screw connection, incl. DIN rail connector	305.51
651-2901535	B	RAD-DI4-IFS	Digital I/O extension module with 4 digital inputs (0 to 250 V AC/DC), with screw connection, incl. DIN rail connector	271.15
651-2901536	C	RAD-DOR4-IFS	Digital I/O extension module with 4 digital relay outputs (6 A, 250 V AC/ 24 V DC), with screw connection, incl. DIN rail connector	271.15
651-2901537	D	RAD-AI4-IFS	Analog extension module with 4 analog current inputs (0/4 mA to 20 mA), with screw connection, incl. DIN rail connector	305.51
651-2901538	E	RAD-AO4-IFS	Analog I/O extension module with 4 analog current/voltage outputs (0/4 mA to 20 mA, 0 to 10 V), with screw connection, incl. DIN rail connector	305.51
651-2901539	F	RAD-DI8-IFS	Digital I/O extension module with 8 digital inputs (0 to 30.5 V DC) or 2 pulse inputs (0 to 100 Hz), with screw connection, including DIN rail connector	305.66
651-2901540	G	RAD-900-IFS	Bidirectional, Radioline 900 MHz transceiver for wireless transmission of serial and I/O data	661.64
651-2901541	H	RAD-2400-IFS	2400 MHz wireless transceiver with RS-232, RS-485 2-wire interface, expandable with I/O extension modules, with screw connection, antenna connection:RSMA (female), including DIN rail connector, without antenna	471.24
651-2902811	I	RAD-DO8-IFS	Digital I/O extension module with 8 digital transistor outputs (30.5 V DC/200 mA), with screw connection, including DIN rail connector	305.66
651-2904035	J	RAD-PT100-4-IFS	19.2-30.5V AC/DC, Temperature I/O extension module with 4 PT 100 inputs (-50 to +250 °C), with screw connection, including DIN rail connector	357.00
Memory Sticks				
651-2902828	K	RAD-MEMORY	Memory stick for saving individual configuration data for the Radioline wireless module	50.00
651-2902814	-	RAD-CONF-RF3	CONFSTICK for easy and secure network addressing for the 2.4 GHz Radioline wireless module (RAD-2400-IFS), unique network ID, RF band 3	50.00
651-2902815	-	RAD-CONF-RF5	CONFSTICK for easy and secure network addressing for the 2.4 GHz Radioline wireless module (RAD-2400-IFS), unique network ID, RF band 5	50.00
651-2902816	-	RAD-CONF-RF7	CONFSTICK for easy and secure network addressing for the 2.4 GHz Radioline wireless module (RAD-2400-IFS), unique network ID, RF band 7	50.00
Cable				
651-2903447	-	RAD-CABLE-USB	USB data cable (USB-A on IFS plug) Power supply for diagnostics and configuration via the USB port of the PC. Cable length: 2 m	80.00

2.4-5GHZ WIRELESS LAN - FL WLAN 5101
Features:
- Operating Modes: Access point/client adapter/repeater/WDS bridge
- RSMA Female connections for up to 3 antennas
- Security: 802.11i , WPA PSK, WPA2, AES, TKIP, 802.1X/RADIUS, MAC filter
- DIN Rail Mountable
- 2 RJ45 Ports

MOUSER STOCK NO.	Fig.	Phoenix Type	Description	Price Each
651-2701093	L	2701093	FL WLAN 5101 Wireless Ethernet Module	925.00
Accessories				
651-2701402	-	2701402	Adapter Cable, RSMA Male to Type N Male	71.00
651-2701408	-	2701408	Antenna, Type N Male, 2.4 GHz-5.83 GHz frequency range	44.00
651-2988162	-	2988162	2GB SD Flash Card for configurations and programming memory	132.00

900MHZ TRUSTED WIRELESS ETHERNET RADIO
Features:
- Interference free frequency Hopping Spread Spectrum Technology
- License free 902 - 928MHz ISM Band
- Programmable via any web browser
- 128/192/256-bit AES encryption

MOUSER STOCK NO.	Fig.	Phoenix Type	Description	Price Each
651-2900016	M	RAD-ISM-900-EN-BD	Trusted Wireless Ethernet Radio (TWE) with MOTR-9 Technology for ethernet and Serial data over a secure radio connection.	1734.00

900MHZ ONE-WAY WIRELESS SYSTEMS
Features:
- Interference free - Frequency Hopping Spread Spectrum technology
- Class I, Division 2 approved for hazardous area installation (UL, CUL and CSA approved)
- Range: 600 - 1000ft in plant, no line of sight
- Licence free 902 - 928MHz Industrial, Scientific, and Medical (ISM) band

MOUSER STOCK NO.	Fig.	Phoenix Type	Description	Price Each
651-2867102	N	RAD-ISM-900-SET-UD-ANT	24V DC set with one 4-20mA and 2 discrete signals. DIN rail mount	1398.00
651-2867021	O	RAD-ISM-900-SET-AC-UD	110-240V AC set with one 4-20mA and 2 discrete signals. Weatherproof NEMA 4X conduit mount transmitter, DIN rail mount receiver	1551.00
651-2867034	O	RAD-ISM-900-SET-DC-UD	12-30V DC set for one 4-20mA and 2 discrete signals. Weatherproof NEMA 4X conduit mount transmitter, DIN rail mount receiver	1468.00
651-2867047	-	RAD-ISM-900-RX	Spare Receiver to expand point to multipoint connections. DIN Rail mount	731.99

900MHZ TWO-WAY WIRELESS SYSTEMS WITH EXPANDABLE I/O OPTIONS
Features:
- Interference free - Frequency Hopping Spread Spectrum technology
- Licence free 902 - 928MHz Industrial, Scientific, and Medical (ISM) band
- Class I, Division 2 approved for hazardous area installation (UL, CUL and CSA approved)
- Max 33 analog or 66 discrete signals in one direction
- Dry contact LINK diagnostic output
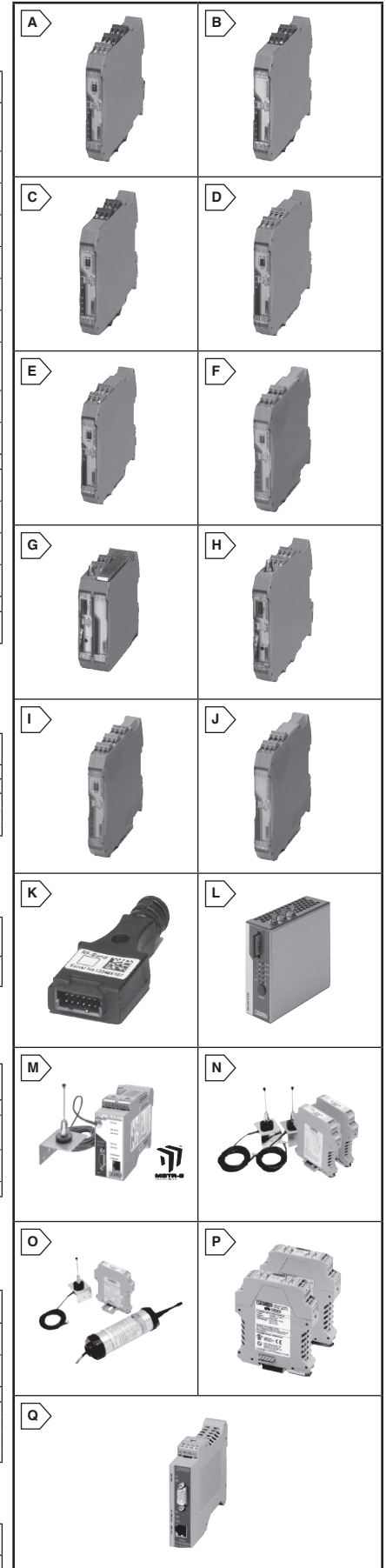- Range: 600 - 1000ft in plant, no line of sight

MOUSER STOCK NO.	Fig.	Phoenix Type	Description	Price Each
651-2867270	N	RAD-ISM-900-SET-BD-BUS-ANT	9-30V DC set with one 4-20mA in/out and 2 discrete signals in/out with bus connection for power and communication. DIN Rail mount.	2638.00
651-2867092	-	RAD-ISM-900-BD-BUS	Device can be configured as a spare or as a repeater for long distance or heavily obstructed applications (requires HOPKEY for configuration)	1266.00
I/O Modules				
651-2867115	P	RAD-IN-4A-I	4 channel analog input module, 4mA - 20mA	369.35
651-2867128	P	RAD-OUT-4A-I	4 channel analog output module, 4mA - 20mA	411.31
651-2867144	P	RAD-IN-8D	8 channel digitial input module, 5-36V AC/DC	300.30
651-2867157	P	RAD-OUT-8D-REL	8 channel digital output module with relay, 120V AC, 5A rated contacts	357.54

FL COM SERVER - SERIAL RS-232 DEVICE SERVER FOR 10/100BASE-T(X)
Features:
- Supports all common Network Protocols
- 10/100 Base T(X) Auto Detect

MOUSER STOCK NO.	Fig.	Phoenix Type	Description	Price Each
651-2744490	Q	FL COM SERVER RS232	Interface module to convert RS-232 to ethernet, DIN Raile Mount	478.00

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REDPINE SIGNALS Wireless Solutions

®
REDPINE SIGNALS
DRIVING WIRELESS CONVERGENCE ®

Redpine technology spans the complete end-to-end wireless solution and includes an extensive patent portfolio on OFDM, MIMO, embedded processor architectures and low-power techniques. The company's offerings include both the hardware and the software as differentiated sub-systems to provide flexibility and ease of integration to the system integrator. This single-stop approach enables Redpine to deliver an optimal wireless solution to meet customer's requirements at an optimal price point.

N-LINK™ SERIES

The nLink™ family of IEEE802.11n single stream modules designed to provide high throughputs at ultra low power consumption. The modules have an integrated MAC, baseband processor, RF transceiver and power amplifier. An integrated processor allows for providing a rich set of peripherals with minimal load on the host processor. The small form factor enables the customer to use these modules in handhelds and other portable consumer electronic products. The modules allow for interfacing with the host over SDIO and SPI.

Features:
- 802.11n features for high throughput and extended range
- Host interface through SDIO and SPI
- Bluetooth coexistence
- Ultra low power operation

- Complete WLAN software along with host driver for Windows Embedded CE, Windows Mobile, Windows XP, and Linux OS
- Single supply 3.1 to 3.6V operation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Redpine Signals Part No.	Fig.	Description	Price Each			
				1	10	25	50
980-RS9110-N-11-02	RS9110-N-11-02	A	Ultra low Power Single band 802.11bgn 2.4GHz module	38.25	35.10	31.50	27.90
980-RS9110-N-11-03	RS9110-N-11-03	B	Ultra low Power Dual band 802.11bgn 2.4/5GHz module	59.50	54.60	49.00	43.40
Evaluation Boards				1		5	
980-RS9110-N-1102EVB	RS9110-N-11-02-EVB	C	RS9110-N-11-02 Evaluation Board and Software	1120.00		1080.00	
980-RS9110-N-1103EVB	RS9110-N-11-03-EVB	D	RS9110-N-11-03 Evaluation Board and Software	1750.00		1687.50	

CONNECT-IO-N™ SERIES

The Connect-io-n™ products are highly integrated single stream 802.11n modules designed to provide future-proof 'plug-and-play' Wi-Fi connectivity to embedded devices. They all feature standard UART or SPI interfaces to a host microcontroller and include all the functionality required in a WLAN client. They also include a full networking stack running on the embedded processor, enabling network connectivity into numerous embedded systems with no additional burden on their microcontrollers. The Connect-io-n series includes variants offering single or dual-band operation and choice of form-factor.

Features:
- Compliant to 802.11b/g and single stream 802.11n
- 2.4/5GHz, 802.11n RF transceiver with power amplifier
- Highly integrated 2.4GHz/5GHz transceiver with direct conversion architecture
- Self-contained serial-to-wireless functionality - requires very little host processor bandwidth
- WPA/WPA2-PSK, WEP, and TKIP modes of security
- Host Interface: UART and SPI, selectable through a hardware pin
- Integrated TCP/IP stack with option to bypass in SPI mode through software configuration
- Ultra low power operation with power save modes
- Single supply 3.1 to 3.6V operation
- 65Mbps Data Rates

Specifications:
- Network Standard Support: IEEE 802.11b/g/n
- Data Rates: 802.11n: 6.5, 13, 19.5, 26, 39, 52, 58.5, 65Mbps
  802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps
  802.11b: 1, 2, 5.5, 11Mbps
- Modulation Techniques: OFDM with BPSK, QPSK, 16-QAM, and 64-QAM 802.11b with CCK and DSSS
- Network Protocols: TCP, UDP, IPv4, ARP, ICMP, DHCP Client
- Supported UART baud rates: Supports standard baud rates from 9600bps to 3.6Mbps
- Operating Temperature: Industrial Grade -40ºC to +85ºC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Redpine Signals Part No.	Fig.	Description	Price Each			
				1	10	25	50
980-RS9110-N-11-2204	RS9110-N-11-22-04	E	802.11bgn 2.4GHz Wireless Device Server with integrated Antenna	52.49	48.17	43.23	38.29
980-RS9110-N-11-2205	RS9110-N-11-22-05	E	802.11bgn 2.4GHz Wireless Device Server with u.FL Connector for External Antenna	52.49	48.17	43.23	38.29
980-RS9110-N-11-24	RS9110-N-11-24	F	802.11bgn 2.4GHZ Wireless Device Server with UART Interface	43.99	40.37	36.23	32.09
980-RS9110-N-11-2402	RS9110-N-11-24-02	F	802.11bgn 2.4GHZ Wireless Device Server with SPI Interface	43.99	40.37	36.23	32.09
980-RS9110-N-11-2804	RS9110-N-11-28-04	G	802.11abgn 2.45GHz Wireless Device Server with UART or SPI Interfaces	60.99	55.97	50.23	44.49
Evaluation Boards				1		5	
980-RS9110N112204EVB	RS9110-N-11-22-04-EVB	H	RS9110-N-11-22-04 Evaluation Board with UART/SPI as Host Interface	238.00		229.50	
980-RS9110N112205EVB	RS9110-N-11-22-05-EVB	H	RS9110-N-11-22-05 Evaluation Board with UART/SPI as Host Interface and u.FL Connector	238.00		229.50	
980-RS9110-N-1124EVB	RS9110-N-11-24-EVB	H	RS9110-N-11-24 Evaluation Board with UART as Host Interface	238.00		229.50	
980-RS9110N112402EVB	RS9110-N-11-24-02-EVB	H	RS9110-N-11-24 Evaluation Board with SPI as Host Interface	238.00		229.50	
980-RS9110N112804EVB	RS9110-N-11-28-04-EVB	I	RS9110-N-11-28-04 Evaluation Board with UART/SPI as Host Interface	280.00		270.00	

WISECONNECT™ SERIES

WiSeConnect™ modules are fully integrated 802.11 a/b/g/n modules with advanced features for M2M, industrial, medical, enterprise and IOT (Internet of Things) applications. Powered with WiFi-Direct™, it can directly communicate with smart-phones and tablet PCs without an Access Point based infrastructure. Integrated with Enterprise Security as well as TCP/IP and WLAN stacks, it can be designed quickly into any Host platform for secure and standards based Wi-Fi connectivity in a variety of environments.

Features:
- 802.11a/b/g/n, operation over 2.4 and 5Ghz bands
- WiFi-Direct™, Access Point and Client mode
- Enterprise Security - EAP-TLS, EAP-TTLS, EAP-FAST, PEAP-MSHCAP-V2
- Integrated TCP/IP stack, HTTP Server/Client, DHCP
- Host interface through UART and SPI
- Integrated antenna and uFL connector for external antenna
- Ultra low power operation with power save modes

Specifications:
- Network Standard Support: IEEE 802.11b/g/n
- Data Rates: 802.11n: 6.5, 13, 19.5, 26, 39, 52, 58.5, 65 Mbps
  802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
  802.11b: 1, 2, 5.5, 11 Mbps
- Modulation Techniques: OFDM with BPSK, QPSK, 16-QAM, and 64-QAM 802.11b with CCK and DSSS
- Network Protocols: TCP, UDP, IPv4, ARP, ICMP, DHCP Client
- Supported UART baud rates: Supports standard baud rates from 9600bps to 3.6Mbps
- Operating Temperature: Industrial Grade -40ºC to +85ºC

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Redpine Signals Part No.	Fig.	Description	Price Each			
				1	10	25	50
980-RS-WC-201	RS-WC-201	J	Single band 2.4GHz Wi-Fi modules for M2M Applications	74.80	68.64	61.60	54.56
980-RS-WC-301	RS-WC-301	J	Dual band 2.4/5GHz Wi-Fi modules for M2M Applications	117.30	107.64	96.60	85.56
Evaluation Boards				1		5	
980-RS-WC-201-EVB	RS-WC-201-EVB	K	RS-WC-201 Evaluation Board and Software	336.00		324.00	
980-RS-WC-301-EVB	RS-WC-301-EVB	L	RS-WC-301 Evaluation Board and Software	560.00		540.00	

WI-FI ADD-ON CARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Redpine Signals Part No.	Description	Price Each
Atmel Processors			
980-RS-XMEGA-220X	RS-XMEGA-220X	Wi-Fi Add-on Card for XMEGA-A3BU Xplained Kit	91.00
980-RS-UC3L0-220X	RS-UC3L0-220X	Wi-Fi Add-on Card for UC3L0 Xplained Kit	99.00
980-RS-SAM3S-220X	RS-SAM3S-220X	Wi-Fi Add-On Card for SAM3S-EK	99.00
Cypress Processors			
980-RS-CY8C001-220X	RS-CY8C001-220X	Wi-Fi EBL Add-on Card for CY8CKIT-001	91.00
Renesas Electronics			
980-RS-RL78G132200CC	RS-RL78G13-2200CC	Wi-Fi Companion Card for RL78/G13 MCUs Starter and Demo Kits	91.00
980-RS-RX62N-2201CC	RS-RX62N-2201CC	Wi-Fi Companion Card for RX62N RDK	98.00

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RF DIGITAL Wireless Modules and Kits

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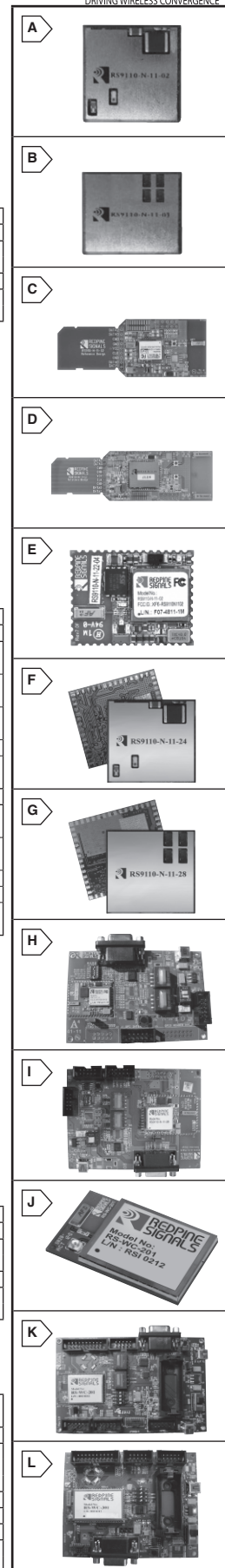
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RF Digital manufactures an extensive line of fully integrated, low cost, high quality, high performance, configurable Wireless RF Transmitter, Receiver & Transceiver Modules, suitable for nearly every type of application.

RFDUINO BLUETOOTH ARM CORTEX M0 DEVELOPMENT TOOLS

RF Digital RFduino Bluetooth ARM Cortex M0 Development Board delivers an Arduino compatible Development Kit with integrated Bluetooth 4.0 BLE all in a finger-tip sized board. The RFduino is compatible with Bluetooth 4.0 compatible smartphones and computers, allowing it to be wirelessly controlled through apps written by the end user or downloaded from RF digital. A USB shield is available to allow easy programming of the RFduino, and a variety of other shields include the RGB LED/Button shield, Servo shield, Prototyping shield, Relay shield, MicroSD shield, and a variety of battery shields for remotely powering the RFduino.

MOUSER STOCK NO.	RF Digital Part No.	Description	Price Each
975-RFD90101	RFD90101	Development Kit - Includes RFduino DIP and USB Shield	42.65
975-RFD90102	RFD90102	Development Kit - Includes RFduino DIP, USB Shield, RGB LED/Button Shield, Servo Shield, Prototyping Shield, and Dual AAA Battery Shield	119.99
975-RFD90103	RFD90103	Development Kit - Includes Rfduino DIP, USB Shield, RGB LED/Button Shield, Servo Shield, PCB USB Shield, Prototyping Shield, Single and Dual AAA Battery Shields, CR2032 Battery Shield, Micro SD Shield and Dual Relay Shield	219.99
975-RFD90104	RFD90104	Development Kit - Includes Rfduino DIP, USB Shield, RGB LED/Button Shield, Servo Shield, PCB USB Shield, Prototyping Shield, Single and Dual AAA Battery Shields, CR2032 Battery Shield, Micro SD Shield and Dual Relay Shield	299.99
975-RFD90105	RFD90105	Development Kit - Includes Rfduino DIP, USB Shield, RGB LED/Button Shield, Servo Shield, PCB USB Shield, Prototyping Shield, Single and Dual AAA Battery Shields, CR2032 Battery Shield, Micro SD Shield and Dual Relay Shield	499.99
975-RFD22102	RFD22102	Development Platform - Bluetooth 4.0 Low Energy BLE RF Module with Built-in ARM Cortex M0 Microcontroller for Rapid Development and Prototyping Projects	25.99
975-RFD22301	RFD22301	Bluetooth 4.0 Low Energy BLE RF Module With Built-In ARM Cortex M0 Microcontroller	14.99
975-RFD22121	RFD22121	USB Programming Shield Board	25.99
975-RFD22122	RFD22122	RGB LED/Pushbutton Shield - 2 Button Inputs with 10k Resistor Pull Downs and it also has an RGB LED with Series LEDs	13.99
975-RFD22123	RFD22123	Servo Shield - Drive up to 4 Servos and has a Dual Supply Input	16.99
975-RFD22124	RFD22124	PCB USB Shield Board	24.99
975-RFD22125	RFD22125	Proto Shield - Provides Access to the 3V Supply Rail and Ground	9.99
975-RFD22126	RFD22126	Dual AAA Battery Shield	21.99
975-RFD22127	RFD22127	Single AAA Battery Shield	21.99
975-RFD22128	RFD22128	CR2032 Coin Battery Shield	16.99
975-RFD22130	RFD22130	MicroSD Shield - Allows Easy Use of MicroSD for Access to Gigabytes of External Memory	16.99
975-RFD22131	RFD22131	Dual Relay Shield - Provides Two SPDT, Independently Controlled Relays	27.99

2.4 GHZ SERIAL TRANSCEIVERS

Complete Compliance Approved & Certified, READY-TO-USE, 2.4 GHz wireless solution with built-in RFDP8 interference-tolerant user application protocol. Includes RFID, 32 Bit ESN, Logic Switch Transmitter / Receiver, 9600-8N1 Serial UART Transceiver and many easy-to-use addressable network modes. No development required at all, no RF layout, no code writing, all features are built-in. Be up and running with a wireless solution in minutes. The RFDANT's Revolutionary Patent Pending design enables it to reach distances of 2,000 feet, while still being an Ultra Low Power device. This huge range is reached without any power amplifiers at all, it's unique design is responsible for it reaching these great distances without any extra battery drain or extra power. The RFDANT makes it easy for you to satisfy GREEN directives due to its unique design and ultra high performance. The RFDANT fits in the palm of your hand and looks like an Antenna, but of course it is much more since it is the whole radio and processing system in one unit. There are no RF cables at all, simply connect +V, GND, and a few logic signal wires based on your application and you are done. There is no need for PCB layout either. You can directly connect to the 11 pin, 8 inch cable extending out of the bottom of the RFDANT.

Features:

- Runs on a single coin cell for years
- WiFi interference tolerant
- Heavy 2.4GHz noise and interference tolerant
- No external parts required
- No RF layout required
- Easy and ready-to-use, hand-held, eval and application boards available

- Ultra small 15mm x 15mm footprint
- Fully contained, truly finished, ready to use module
- CE/ETSI/IC & FCC Certified and Approved
- Typical range: 500ft (150m)
- 2uA ultra low power modes
- Only 14mA current consumption at 0dbm TX and 17mA at RX
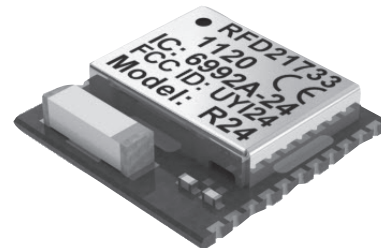
MOUSER STOCK NO.	RF Digital Part No.	Description	Package	Outdoor Range (ft)	Dimensions (LxWxH) (mm)	Price Each 1	10	25	50
975-RFD21711	RFD21711	nRF24L01P SMA RF Module	8 Pin Header	300	11 x 22 x 2.5	39.99	36.65	34.07	29.73
975-RFD21712	RFD21712	nRF24L01P PCB Antenna RF Module	8 Pin Header	300	15 x 34 x 5.6	19.99	17.75	17.04	14.86
975-RFD21731	RFD21731	nRF24LE1 Transceiver RF Module, on-board chip antenna	SMT	500	15 x 15 x 3.5	14.99	14.55	13.89	13.09
975-RFD21732	RFD21732	nRF24LE1 Transceiver RF Module on-board chip antenna (Includes 32 KHz Crystal)	SMT	500	15 x 15 x 3.5	19.08	18.63	17.26	16.26
975-RFD21733	RFD21733	nRF24LE1 Transceiver RF Module with built in RFDP8 8-mode protocol. Includes on-board chip antenna	SMT	500	15 x 15 x 3.5	14.99	14.55	13.89	13.09
975-RFD21734	RFD21734	nRF24LE1 Transceiver RF Module for use with external antenna (Includes 32 KHz Crystal)	SMT	300	15 x 15 x 3.5	21.15	20.66	19.14	18.03
975-RFD21735	RFD21735	nRF24LE1 Transceiver RF Module with built in RFDP8 8-mode protocol, for use with external antenna	SMT	3000	15 x 15 x 3.5	14.99	14.55	13.89	13.09

EVALUATION BOARDS

MOUSER STOCK NO.	RF Digital Part No.	Description	Price Each 1	10	25	50
975-RFD21737	RFD21737	RFD21737 Evaluation Board with a mounted RFD21733 Module and a built in chip antenna	142.71	130.29	125.00	111.93
975-RFD21739	RFD21739	RFD21739 Evaluation Board with a mounted RFD21735 Module and SMA connector (Requires Antenna)	142.71	130.29	125.00	111.93

KEY FOB TRANSMITTERS

1 Button | **2 Buttons** | **3 Buttons**
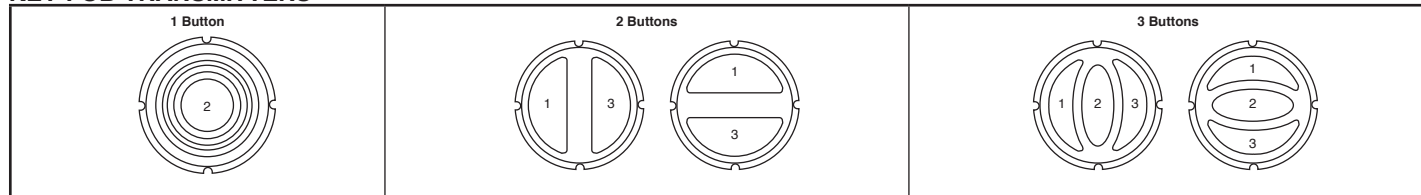
MOUSER STOCK NO.	RF Digital Part No.	Description	Price Each 1	10	25	50
975-RFD21781	RFD21781	KEYFOB Transmitter with built in RFDP8 Application Protocol, 1 Button, 2.4 GHz CE, IC, FCC Approved	63.55	60.38	57.15	54.02
975-RFD21782	RFD21782	KEYFOB Transmitter with built in RFDP8 Application Protocol, 2 Button, 2.4 GHz CE, IC, FCC Approved	63.55	60.38	57.15	54.02
975-RFD21783	RFD21783	KEYFOB Transmitter with built in RFDP8 Application Protocol, 3 Button, 2.4 GHz CE, IC, FCC Approved	63.55	60.38	57.15	54.02
975-RFD21793	RFD21793	KEYFOB Transmitter with built in RFDP8 Application Protocol, Active RFID Tag, 3 Button	62.52	59.39	56.21	53.14

ACCESSORIES

MOUSER STOCK NO.	RF Digital Part No.	Description	Price Each
975-RFD21807	RFD21807	2.4 GHz RFDP8 USB Dongle based on FTDI USB IC and RFD21733	74.99
975-RFD21813	RFD21813	Stand Alone Prototyping RF Module based on the RFD21733 - DIP Package	26.65
975-RFD21815	RFD21815	Open Source Wireless Inventors Shield for Arduino based on the RFD21733	34.99

SILICON LABS Wireless Solutions

RoHS Compliant **This page of product is RoHS compliant.**

SILICON LABS

EMBER® ZIGBEE® MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-EM351-MOD-RF-T	EM351-MOD-RF-T	Ember® Zigbee® Platform Module EM351 No PA/LNA and RF Connect	32.00
634-EM357-MOD-ANT-T	EM357-MOD-ANT-T	Ember® Zigbee® Platform Module EM357 No PA/LNA includes Antenna	32.00
634-EM357-MOD-LRANTT	EM357-MOD-LR-ANT-T	Ember® Zigbee® Platform Module EM357 w/PA/LNA includes Antenna	38.00
634-EM357-MOD-RF-T	EM357-MOD-RF-T	Ember® Zigbee® Platform Module EM357 No PA/LNA and RF Connect	32.00

EMBER® ZIGBEE® DEVELOPMENT TOOLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
634-EM35X-BBRD	EM35X-BBRD	EM351 and EM357 Breakout Board, RS-232, UART	150.00
634-ISA3	ISA3	InSight Adapter (ISA3), Debug Port Interface, TCP/IP 10/100 Ethernet	500.00

EZRADIOPRO DEVELOPMENT KIT TEST CARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Description	Price Each
RX Testcard			
634-4362-PRXB169-EK	4362-PRXB169-EK	Si4362, -126dBm, RX only, 169MHz	50.00
634-4362-PRXB434-EK	4362-PRXB434-EK	Si4362, -126dBm, RX only, 434MHz	50.00
TX Testcard			
634-4063PSQ20B169-EK	4063-PSQ20B169-EK	Si4063, + 20dBm, TX only, 169MHz	50.00
634-4060PCE10B434-EK	4060-PCE10B434-EK	Si4063, +10dBm, TX only, 434MHz	50.00
TRX Testcard			
634-4460PCE30E915SEK	4460-PCE30E915S-EK	Si4460, +30dBm high power design with Skyworks FEM, 915MHz	50.00
634-4460PCE10D434-EK	4460-PCE10D434-EK	Si4460, +10dBm, Single antenna implemented without RF switch, 434MHz	50.00
634-4463PCE20A915-EK	4463-PCE20A915-EK	Si4463, +20dBm used to evaluate the embedded Antenna Diversity algorithm, 915MHz	50.00
634-4463PCE20B915-EK	4463-PCE20B915-EK	Si4463, +20dBm, Separate TX and RX designed for lab testing (not recommended for range testing), 915MHz	50.00
634-4463PCE20C460-EK	4463-PCE20C460-EK	Si4463, +20dBm, Single antenna implemented with RF switch, 460MHz	50.00
634-4463PCE20C868SEK	4463PCE20C868SE-EK	Si4463, +20dBm, Single antenna implemented with RF switch, SAW filter, TCXO, for ETSI Cat 1 applications, 868MHz	50.00
634-4463PCE27F868-EK	4463-PCE27F868-EK	Si4463, +27dBm, Single antenna implemented with RF switch and low cost external amplifier, 868MHz	50.00
634-4463PCE30E915REK	4463-PCE30E915R-EK	Si4463, +30dBm high power design with RFMD FEM, 915MHz	50.00
634-4463PSQ20C169SEK	4463PSQ20C169SE-EK	Si4463, +20dBm, Single antenna implemented with RF switch, SAW filter, TCXO, for ETSI Cat 1 applications, 169MHz	50.00
634-4463PSQ20D169-EK	4463-PSQ20D169-EK	Si4463, +20dBm, Single antenna implemented without RF switch, 169MHz	50.00
634-4463PSQ27F169-EK	4463-PSQ27F169-EK	Si4463, +27dBm, Single antenna implemented with RF switch and low cost external amplifier, 169MHz	50.00

EMBER® ZIGBEE® DEVICES

For quantities greater than listed, call for quote.

Mfr.	Mfr. Part No.	Description	Price Each
634—	EM351-RTR	Zigbee® 802.15.4 2.4GHz EM351 Integrated SoC	6.07
634—	EM357-RTR	Zigbee® 802.15.4 2.4GHz EM357 Integrated SoC	6.75
634—	EM3581-RTR	Zigbee/802.15.4-2003 EM581 Integrated SoC	7.74
634—	EM3582-RTR	Zigbee/802.15.4-2003 EM582 Integrated SoC	8.59
634—	EM3585-RTR	Zigbee/802.15.4-2003 EM585 Integrated SoC	8.59
634—	EM3586-RTR	Zigbee/802.15.4-2003 EM586 Integrated SoC	9.46
634—	EM3587-RTR	Zigbee/802.15.4-2003 EM587 Integrated SoC	9.71
634—	EM3588-RTR	Zigbee/802.15.4-2003 EM588 Integrated SoC	10.31

WIRELESS REMOTE CONTROL KITS

For quantities greater than listed, call for quote.

Mfr.	Mfr. Part No.	Description	Price Each
Demo Kits			
634—	4010-DASKF434	Si4010 Key FOB w/LED Rx	24.99
634—	4010-DAAKF434	Si4010 AES Key FOB w/LCD Rx	49.99
634—	4010-DAAKF_868	Si4010 AES Key FOB w/LCD Rx	49.99
634—	EZR-LEDK1W-434	Si4010/Si4355 Key Fob to LED Rx Stick 434MHz	20.00
634—	EZR-LEDK1W-868	Si4010/Si4355 Key Fob to LED Rx Stick 868MHz	20.00
634—	EZR-LEDK1W-915	Si4010/Si4355 Key Fob to LED Rx Stick 915MHz	20.00
634—	EZR-LEDK2W-434	Si4455 Two Way Key Fob to LED Rx Stick 434MHz	40.00
634—	EZR-LEDK2W-868	Si4455 Two Way Key Fob to LED Rx Stick 868MHz	40.00
634—	EZR-LEDK2W-915	Si4455 Two Way Key Fob to LED Rx Stick 915MHz	40.00
Development Kits			
634—	4010-KFOBDEV-434	Si4010/Si4355 Key Fob 434MHz	150.00
634—	4010-KFOBDEV-868	Si4010/Si4355 Key Fob 868MHz	150.00
634—	4010-KFOBDEV-915	Si4010/Si4355 Key Fob 915MHz	150.00
634—	4010-AES1W-315	Si4010/Si4355 One Way AES 315MHz	53.75
634—	4010-AES1W-434	Si4010/Si4355 One Way AES 434MHz	50.00
634—	4010-AES1W-915	Si4010/Si4355 One Way AES 915MHz	50.00
634—	EZR-LCDK2W-434	Two Way LCD 434MHz	106.25

EZRADIO DEVELOPMENT KITS

For quantities greater than listed, call for quote.

Mfr.	Mfr. Part No.	Description	Price Each
634—	1064-434-DK	Si1064 RF Transceiver Dev Kit 434MHz	299.00
634—	1064-868-DK	Si1064 RF Transceiver Dev Kit 868MHz	299.00
634—	1064-915-DK	Si1064 RF Transceiver Dev Kit 915MHz	299.00

EZRADIO TEST CARD

For quantities greater than listed, call for quote.

Mfr.	Mfr. Part No.	Description	Price Each
Transmitter			
634—	4021-DKDB11	Si4021 Test Board, loop 434MHz	26.00

WIRELESS DEVELOPMENT KITS

For quantities greater than listed, call for quote.

Mfr.	Mfr. Part No.	Description	Price Each
634—	SI1020-915-A-DK	Si1020 915MHz Wireless Development Kit	829.00
634—	ENERGYHARVEST-RD	Solar powered low power wireless sensor node	45.00

EZRADIOPRO PICO BOARDS AND DEVELOPMENT KITS

For quantities greater than listed, call for quote.

Mfr.	Mfr. Part No.	Description	Price Each
Pico Boards			
634—	4060PCE10B868-EK	Si4060 RF Transmitter 868MHz, 10dBm	50.00
634—	4063PCE20B915-EK	Si4063 RF Transmitter 915MHz, 20dBm	50.00
634—	4362-PRXB868-EK	Si4362 RF Receiver 868MHz	50.00
634—	4362-PRXB915-EK	Si4362 RF Receiver 915MHz	50.00
634—	4455-434-PDK	Si4455 RF Transceiver 434MHz	200.00
634—	4455-868-PDK	Si4455 RF Transceiver 868MHz	200.00
634—	4455-915-PDK	Si4455 RF Transceiver 915MHz	200.00
634—	4461PCE14D868-EK	Si4461 RF Transceiver 868MHz, 14dBm, direct tie	50.00
634—	4463PCE20C915-EK	Si4463 RF Transceiver 915MHz, 20dBm, switched	50.00
Development Kits			
634—	MSC-AMS868-EK	Antenna Matrix Kit 868MHz	72.00
634—	1060-490-DK	Si1060 RF Transceiver Dev Kit 490MHz	299.00
634—	1060-915-DK	Si1060 RF Transceiver Dev Kit 915MHz	299.00
634—	1062-868-DK	Si1062 RF Transceiver Dev Kit 868MHz	299.00
634—	4063-915-PDK	Si4063/Si4362 Dev Kit 915MHz	317.68

WIRELESS MCU DEVELOPMENT KITS

For quantities greater than listed, call for quote.

Mfr.	Mfr. Part No.	Description	Price Each
634—	SI1010DK	Si101x Programmable XCVR Dev Kit	99.00
634—	MSC-F930-PDK	MCU Code & Firmware Dev; & RF Design & Optimization	211.43

WIRELESS MCU TEST CARDS

For quantities greater than listed, call for quote.

Mfr.	Mfr. Part No.	Description	Price Each
634—	1000-TCB1C470	Single Switch Antenna for Si1000-C-GM 470MHz	70.00
634—	1002-TCB1D868	Single Tied Antenna for Si1002 868MHz	70.00

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SILICON LABS Wireless Solutions

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SILICON LABS

EZRADIO®

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Modulation Mode	Data Rate FSK, OOK (kbps)	Frequency Range (MHz)	Output Power 868MHz	Output Power 434MHz	Supply Voltage (V)	Idle Current (mA)	Price Each 1	Price Each 25	Price Each 100
Receiver ICs												
634-SI4355-B1A-FM	Si4355-B1A-FM	QFN-20	(G)FSK, OOK	500, 120	283 - 960	-	-	1.8 - 3.6	-	1.65	1.60	1.54
634-SI4312-B10-GM	Si4312-B10-GM	QFN-20	OOK	10	315, 434	-	-	2.7 - 3.6	-	2.32	2.24	2.16
634-SI4313-B1-FM	Si4313-B1-FM	QFN-20	FSK, OOK	256,40	315, 434, 868, 915	-	-	1.8 - 3.6	-	3.48	3.36	3.24
634-SI4322-A0-FT	Si4322-A0-FT	TSSOP-16	FSK	256	433, 868, 915	-	-	2.2 - 3.8	0.5	2.41	2.32	2.24
634-SI4356-B1A-FM	Si4356-B1A-FM	QFN-20	(G)FSK, OOK	120	315, 917	-	-	1.8 - 3.6	-	1.38	1.33	1.28
Transceiver ICs												
634-SI1064-A-GM	Si1064-A-GM	QFN-36	(G)FSK, OOK	500/120	850-960	20dBm	20dBm	1.8 - 3.6	2.5	3.41	3.29	3.17
634-SI1065-A-GM	Si1065-A-GM	QFN-36	(G)FSK, OOK	500/120	850-960	20dBm	20dBm	1.8 - 3.6	2.5	3.10	2.99	2.88
634-SI1084-A-GM	Si1084-A-GM	QFN-36	(G)FSK, OOK	500/120	850-960	20dBm	20dBm	1.8 - 3.6	2.5	2.98	2.88	2.77
634-SI1085-A-GM	Si1085-A-GM	QFN-36	(G)FSK, OOK	500/120	850-960	20dBm	20dBm	1.8 - 3.6	2.5	2.97	2.87	2.76
634-SI4455-B1A-FM	Si4455-B1A-FM	QFN-20	(G)FSK, OOK	500, 120	283 - 960	12dBm	13dBm	1.8 - 3.6	-	1.83	1.76	1.70

EZRADIOPRO™

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Modulation Mode	Data Rate (kbps) FSK/GFSK	Data Rate (kbps) OOK	Frequency Range (MHz)	Output Power	Supply Voltage (V)	Idle Current (mA)	Price Each 1	Price Each 25	Price Each 100
Transmitter ICs												
634-SI4030-B1-FM	Si4030-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	900 - 960	-8 to +13	1.8 - 3.6	27	2.20	2.12	2.05
634-SI4032-B1-FM	Si4032-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	+11 to +20	1.8 - 3.6	27	2.29	2.21	2.13
Tranceiver ICs												
634-SI1060-A-GM	Si1060-A-GM	QFN-36	FSK, GFSK, OOK	1000	120	142 - 1050	20	1.8 - 3.6	2.5	4.29	4.14	3.99
634-SI1061-A-GM	Si1061-A-GM	QFN-36	FSK, GFSK, OOK	1000	120	142 - 1050	20	1.8 - 3.6	2.5	3.99	3.85	3.72
634-SI1062-A-GM	Si1062-A-GM	QFN-36	FSK, GFSK, OOK	1000	120	142 - 1050	13	1.8 - 3.6	2.5	3.90	3.77	3.63
634-SI1063-A-GM	Si1063-A-GM	QFN-36	FSK, GFSK, OOK	1000	120	142 - 1050	13	1.8 - 3.6	2.5	3.60	3.48	3.35
634-SI1080-A-GM	Si1080-A-GM	QFN-36	FSK, GFSK, OOK	1000	120	142 - 1050	20	1.8 - 3.6	2.5	3.88	3.75	3.61
634-SI1081-A-GM	Si1081-A-GM	QFN-36	FSK, GFSK, OOK	1000	120	142 - 1050	20	1.8 - 3.6	2.5	3.87	3.73	3.60
634-SI1082-A-GM	Si1082-A-GM	QFN-36	FSK, GFSK, OOK	1000	120	142 - 1050	13	1.8 - 3.6	2.5	3.49	3.37	3.25
634-SI1083-A-GM	Si1083-A-GM	QFN-36	FSK, GFSK, OOK	1000	120	142 - 1050	13	1.8 - 3.6	2.5	3.48	3.36	3.24
634-SI4430-B1-FM	Si4430-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	900 - 960	-8 to +13	1.8 - 3.6	18.5/27	4.09	3.95	3.81
634-SI4431-B1-FM	Si4431-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	-8 to +13	1.8 - 3.6	18.5/27	3.39	3.28	3.16
634-SI4432-B1-FM	Si4432-B1-FM	QFN-20	FSK, GFSK, OOK	128	40	240 - 930	-11 to +20	1.8 - 3.6	18.5/27	3.82	3.69	3.56

HIGH PERFORMANCE AM/FM RADIO RECEIVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Supply Voltage (V)	Supply Current FM Mode (mA)	Supply Current AM/SW Mode (mA)	FM Band Support (MHz)	AM Band Support (kHz)	SW Band Support (MHz)	Interface	Powerdown Current (μA)	Price Each 1	Price Each 25	Price Each 100
634-SI4770-A20-GM	Si4770-A20-GM	QFN-40	-0.5-5.9	79	81	64 - 108	520 - 1710	-----	I2C	420	19.72	19.04	18.36
634-SI4777-A20-GM	Si4777-A20-GM	QFN-40	-0.5-5.9	79	81	64 - 108	520 - 1710	-----	I2C	420	23.66	22.84	22.03
634-SI4840-A10-GU	Si4840-A10-GU	SSOP-24	2.0-3.6	21	17	64 - 109	504 - 1750	-----	I2C	10.10	12.76	12.32	11.88
634-SI4844-A10-GU	Si4844-A10-GU	SSOP-24	2.0-3.6	21	17	64 - 109	504 - 1750	2.3 - 28.5	I2C	10.10	13.92	13.44	12.96

MOUSER STOCK NO.	Silicon Labs Part No.	Description									Price Each		
Demonstration Boards													
634-4770MODULE-A-EVB	Si4770Module-A-EVB	Si4770 Module Evaluation Kit									125.00		
634-SI4770-A-EVB	Si4770-A-EVB	Si477x Evaluation Kit									531.25		

STANDALONE RECEIVER

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Description	Price Each
634-4356-RX-434	Si4356 Standalone Receiver Module	20.00
Development Kits		
634-4356-LEDK1W-434	Si4356 434MHz Standalone Receiver Development Kit	50.00
634-4356-LEDK1W-868	Si4356 868MHz Standalone Receiver Development Kit	50.00

SI100X/1X/2X/3X ULTRA LOW POWER WIRELESS MCUS

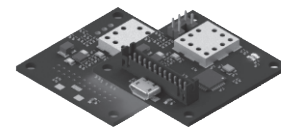For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Flash (bytes)	RAM (bytes)	Digital Port I/O Pins	Interfaces UART	Interfaces I2C	Interfaces SPI	Analog Peripherals Timers	Analog Peripherals PCA ch.	Analog Peripherals ADC	Analog Peripherals Temp Sensor	Analog Peripherals VREF	Analog Peripherals Comparators	Price Each 1	Price Each 25	Price Each 100
634-SI1000-E-GM2	Si1000-E-GM2	64	4352	19	Yes	Yes	Yes	4 16-bit	6	10	Yes	Yes	2	4.82	4.65	4.49
634-SI1001-E-GM2	Si1001-E-GM2	32	4352	19	Yes	Yes	Yes	4 16-bit	6	10	Yes	Yes	2	4.68	4.51	4.35
634-SI1002-E-GM2	Si1002-E-GM2	64	4352	19	Yes	Yes	Yes	4 16-bit	6	10	Yes	Yes	2	4.68	4.51	4.35
634-SI1003-E-GM2	Si1003-E-GM2	32	4352	19	Yes	Yes	Yes	4 16-bit	6	10	Yes	Yes	2	4.58	4.42	4.26
634-SI1004-E-GM2	Si1004-E-GM2	64	4352	19	Yes	Yes	Yes	4 16-bit	6	10	Yes	Yes	2	4.72	4.56	4.40
634-SI1005-E-GM2	Si1005-E-GM2	32	4352	19	Yes	Yes	Yes	4 16-bit	6	10	Yes	Yes	2	4.63	4.47	4.31
634-SI1010-C-GM2	Si1010-C-GM2	16	768	12	Yes	Yes	Yes	4 16-bit	6	12/10	Yes	Yes	2	4.30	4.15	4.01
634-SI1011-C-GM2	Si1011-C-GM2	8	768	12	Yes	Yes	Yes	4 16-bit	6	12/10	Yes	Yes	2	4.13	3.99	3.84
634-SI1012-C-GM2	Si1012-C-GM2	16	768	12	Yes	Yes	Yes	4 16-bit	6	12/10	Yes	Yes	2	4.13	3.99	3.84
634-SI1013-C-GM2	Si1013-C-GM2	8	768	12	Yes	Yes	Yes	4 16-bit	6	12/10	Yes	Yes	2	4.04	3.90	3.76
634-SI1014-C-GM2	Si1014-C-GM2	16	768	12	Yes	Yes	Yes	4 16-bit	6	12/10	Yes	Yes	2	4.17	4.03	3.89
634-SI1015-C-GM2	Si1015-C-GM2	8	768	12	Yes	Yes	Yes	4 16-bit	6	12/10	Yes	Yes	2	4.09	3.95	3.80
634-SI1036-A-GM	Si1036-A-GM	32	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	5.38	5.19	5.01
634-SI1021-A-GM	Si1021-A-GM	64	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	6.09	5.88	5.67
634-SI1022-A-GM	Si1022-A-GM	32	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	5.76	5.57	5.37
634-SI1023-A-GM	Si1023-A-GM	16	4352	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	5.44	5.26	5.07
634-SI1024-A-GM	Si1024-A-GM	128	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	6.60	6.37	6.14
634-SI1025-A-GM	Si1025-A-GM	64	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	5.89	5.69	5.49
634-SI1026-A-GM	Si1026-A-GM	32	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	5.57	5.38	5.19
634-SI1027-A-GM	Si1027-A-GM	16	4352	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	5.25	5.07	4.89
634-SI1032-A-GM	Si1032-A-GM	32	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	5.57	5.38	5.19
634-SI1033-A-GM	Si1033-A-GM	16	4352	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	5.25	5.07	4.89
634-SI1034-A-GM	Si1034-A-GM	128	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	6.41	6.18	5.96
634-SI1035-A-GM	Si1035-A-GM	64	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	5.70	5.50	5.31
634-SI1036-A-GM	Si1036-A-GM	32	8448	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	5.38	5.19	5.01
634-SI1037-A-GM	Si1037-A-GM	16	4352	53	Yes	Yes	Yes	4 16-bit	6	16	Yes	Yes	2	5.06	4.88	4.71

SKYETEK Developer Kits and Modules

≋ skyetek™

SKYEMODULE™ GEMINI DEVELOPER AND EVALUATION KITS

The SkyeModule™ Gemini marks the next generation of SkyeTek HF reader modules. The Gemini is a low-cost, and ultra-low power, MIFARE and NFC reader/writer module. A cutting edge ARM Cortex microcontroller and latest HF transceiver technology coupled with the reader's intelligent operating system make this module the most versatile HF RFID module at the bottom tier price point. Manufactured in accordance with ISO 9001 and ISO 13485, quality is a top priority for all SkyeTek modules.

Developer and Evaluation Kits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SkyeTek Part No.	Description	Frequency (MHz)	Dimensions (mm): LxWxH	Effective Range	Price Each
731-DK-GM-00	DK-GM-00-1.0	Gemini Full Developer Kit ISO14443, MIFARE	13.56	40x38.2x4.53	0 - 15 cm	1029.00
731-EV-GM-00	EV-GM-00-1.0	Gemini Evaluation Kit ISO14443, MIFARE	13.56	40x38.2x4.53	0 - 15 cm	199.00

SKYEMODULE™ EMBEDDED RFID READERS

SkyeTek's SkyeModules are space, cost and power efficient RFID reader modules for highly performing embedded RFID applications. SkyeTek's Advanced Universal Reader Architecture (AURA)™ and robust software drive powerful functionality into an extremely small form factor. This functionality allows a diverse range of companies, primarily OEMs and systems integrators, to add RFID as a feature to their products, services and applications.

A
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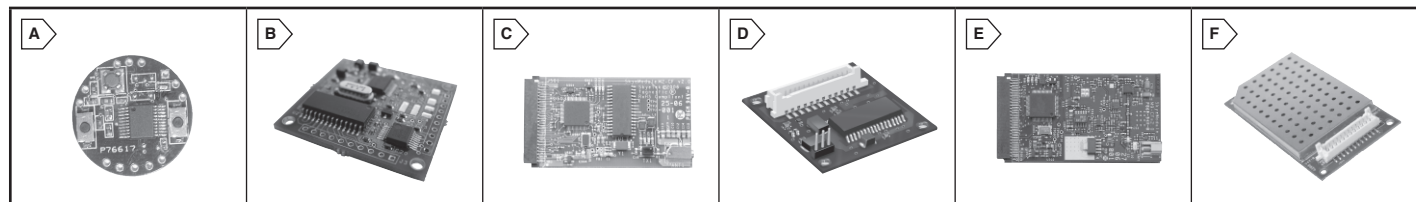
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SkyeTek Part No.	Fig.	Description	Frequency (MHz)	Max PF Power	Dimensions (mm): LxWxH	Effective Range	Price Each 1	Price Each 10
731-SM-MN-00-HF-RC	SM-MN-00-HF-RC	A	SkyeModule M1-mini HF, TTL Firmware	13.56	100mW	25x25x2.8	5.0cm - 8.5cm	58.44	57.71
731-SM-MN-00-HFRCI2C	SM-MN-00-HF-RCI2C	A	SkyeModule M1-mini HF, I2C Firmware	13.56	100mW	25x25x2.8	5.0cm - 8.5cm	97.50	96.29
731-SM-MN-00-HFRCSPI	SM-MN-00-HF-RCSPI	A	SkyeModule M1-mini HF, SPI Firmware	13.56	100mW	25x25x2.8	5.0cm - 8.5cm	97.50	96.29
731-SM-M1-00-HF-RC	SM-M1-00-HF-RC	B	SkyeModule M1 HF, TTL Firmware	13.56	100mW	40x38x5.7	5.0cm - 8.5cm	128.83	127.25
731-SM-M1-00-HFRCI2C	SM-M1-00-HF-RCI2C	B	SkyeModule M1 HF, I2C Firmware	13.56	100mW	40x38x5.7	5.0cm - 8.5cm	112.50	111.11
731-SM-M1-00-HFRCSPI	SM-M1-00-HF-RCSPI	B	SkyeModule M1 HF, SPI Firmware	13.56	100mW	40x38x5.7	5.0cm - 8.5cm	112.50	111.11
731-SM-M2-MH-HF	SM-M2-MH-HF	C	SkyeModule M2 HF, MH Format	13.56	250mW	70x53x9	4.5cm - 14cm	161.25	159.25
731-SM-M4-00-HF-PA	SM-M4-00-HF-PA	D	SkyeModule M4, Product Authentication	13.56	250mW	39x36x11.3	4.5cm - 14cm	133.75	132.10
731-SM-M7-00-UF	SM-M7-00-UF	-	SkyeModule M7 UHF	862 - 955	250mW	53x36x9	0.3m - 1.5m	223.75	219.63
731-SM-M9-CF-UF	SM-M9-CF-UF-V30	E	SkyeModule M9 UHF, CF Format	862 - 955	500mW	66x36x5	1m - 3m	413.25	407.77
731-SM-M9-MH-UF	SM-M9-MH-UF-V30	E	SkyeModule M9 UHF, MH Format	862 - 955	500mW	70x53x9	1m - 3m	314.33	310.17
731-SM-M10-MH-UF	SM-M10-MH-UF	F	SkyeModule M10 UHF	862 - 955	1W	42.8x76.5x11.2	2m - 5m	437.76	432.35

Developer Kits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SkyeTek Part No.	Description	Frequency (MHz)	Dimensions (mm): LxWxH	Effective Range	Price Each
731-DK-M2-00-HF	DK-M2-00-HF	M2 Development Kit with 1 M2 CF and 1 M2 MH module	HF 13.56	66x36x5	3cm - 16cm	1120.28
731-DK-M9-CF-UF	DK-M9-CF-UF	M9 Development Kit with 1 M9 CF module	UHF 862 - 955	66x36x5	1m - 3.5m	1255.41
731-DK-M9-MH-UF	DK-M9-MH-UF	M9 Development Kit with 1 M9 MH module	UHF 862 - 955	66x36x5	1m - 3.5m	1283.79
731-DK-IL-00-00	DK-IL-00-00	Item-Level Development Kit with 1 M2 CF and 1 M9 CF module	HF and UHF	-	-	1498.13

SKYEMODULE™ MULTI-PLEXER ACCESSORIES

SkyeTek offers the SkyePlus™ MXH and MXU antenna multiplexers to expand the reader's capability by adding up to 8 antennas.
The addition of multiplexers can help significantly reduce overall solution cost and are best used in applications that require multiple read-points.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SkyeTek Part No.	Description	Price Each
731-SP-MX-04-HF-M2	SP-MX-04-HF-M2	HF 4-Port Multiplexer for M2 module	183.75
731-SP-MX-04-UF-M9	SP-MX-04-UF-M9	UHF 4-Port Multiplexer for M9 module	183.75
731-SP-MX-08-UF-M9	SP-MX-08-UF-M9	UHF 8-Port Multiplexer for M9 module	226.25

FINISHED RFID READER

SkyeTek directly and through partnerships offers a complete set of finished RFID reader products, including the SR 70, a desktop/counter-top RFID reader/writer, as well as mobile and portal readers, smart containers and RFID printers/encoders.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	SkyeTek Part No.	Description	Frequency (MHz)	Communication Rate	Dimensions (in): LxWxD	Read Range	Price Each 1	Price Each 10
731-SR70-00-UF	SR70-00-UF	SR70 USB UHF RFID	902 - 928	40kbps	5.8x3.5x1.0	Up to 12 Inches	540.33	527.25

STMICROELECTRONICS Bluetooth Modules and Boards

RoHS Compliant **This page of product is RoHS compliant.**

SERIAL-TO-WIFI INTELLIGENT MODULES

STMicroelectronics Intelligent Wi-Fi modules represent a plug and play, standalone 802.11 b/g/n solution for easy integration of wireless Internet connectivity features into existing or new products. Configured around a single-chip 802.11 transceiver with integrated PA and an STM32 32-bit microcontroller with an extensive GPIO suite, the modules also incorporate timing clocks and voltage regulators.

Features:
- 2.4 GHz IEEE 802.11 b/g/n transceiver
- STM32 ARM Cortex-M3
- 1.5 MB Flash memory
- 64 KB RAM memory
- 32 kHz XTAL to support low power modes
- 16 GPIOs, serial port (UART, SPI, I2C) interfaces available
- Small form factor: 26.92 x 15.24 x 2.35 mm
- Up to +18 dBm output power
- Single voltage supply (3.3 V typ.)
- Multiple antenna options available: integrated antenna or integrated u.FL connector
- Industrial operating temperature range
- FCC/CE/IC certified
- Surface mount PCB module

Applications:
- Smart appliances
- Industrial control and data acquisition
- Home automation and security systems
- Wireless sensors
- Cable replacement
- Medical equipment
- Machine-to-machine communication

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Dimensions (mm)	Flash	Configured	Supply Voltage (V)	Frequency Band (GHz)	Supply Current (mA)		Transmit Power	Protocol Supported	Price Each		
							Transmitting	Receiving			1	10	100
511-SPWF01SA.11	SPWF01SA.11	26.92 x 15.24 x 2.35	1.5MB	ISM Band Antenna	3.3	2.4	250	90	18.3	802.11 b/g/n	24.88	22.99	19.65
511-SPWF01SA.21	SPWF01SA.21	26.92 x 15.24 x 2.35	512kB	ISM Band Antenna	3.3	2.4	250	90	18.3	802.11 b/g/n	23.48	21.70	18.54
511-SPWF01SC.11	SPWF01SC.11	26.92 x 15.24 x 2.35	1.5MB	u.FL Connector	3.3	2.4	250	90	18.3	802.11 b/g/n	24.88	22.99	19.65
511-SPWF01SC.21	SPWF01SC.21	26.92 x 15.24 x 2.35	512kB	u.FL Connector	3.3	2.4	250	90	18.3	802.11 b/g/n	23.48	21.70	18.54

Development Tools

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Description	Price Each
511-STEVAL-IDW001V1	STEVAL-IDW001V1	SPWF01SA, Wi-Fi daughterboard for STM32F0DISCOVERY (65mm x 53mm)	57.50
511-STEVAL-PCC018V1	STEVAL-PCC018V1	CP2102, 5V, UART to USB Bridge Board (42mm x 17mm)	36.25

ANTENNA TUNING CIRCUIT

STMicroelectronics STHVDAC-253M Antenna Tuning Circuit is a high voltage Digital-to-Analog Converter (DAC) that integrates three independent high voltage outputs, allowing it to simultaneously optimize antenna performance in three different frequency bands. STHVDAC-253M meets the wide tuning bias voltage requirement of the BST tunable capacitances through a bias voltage ranging from 0 to 25V. Fully controlled through the RFFE serial interface, STHVDAC-253M enables significant improvement in mobile phones in terms of radiated performances, making the performance almost insensitive to the external environment. The device is available in WLCSP for stand-alone or SiP module integration.

Features:
- Dedicated ASIC to control BST tunable capacitances
- Operation compliant with cellular systems requirements
- Integrated boost converter with 3 programmable outputs (0-25V)
- Low power consumption
- MIPI RFFE serial interface 1.8V
- Available in WLCSP for stand-alone or SiP module integration
- RF tunable passive implementation in mobile phones to optimize the radiated performances

Applications:
- Cellular antenna tunable matching network in multi-band GSM/WCDMA mobile phone
- Compatible with open loop antenna tuner application

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package Type	Analog Supply Voltage (Max) (V)	Digital Supply Voltage (Max) (V)	Operating Frequency (MHz)	Operating Temp. Range (°C)	Price Each		
							1	10	100
511-STHVDAC-253MF3	STHVDAC-253MF3	FlipChip-16	5	1.95	28	-30 to 85	1.57	1.21	.968

BLUETOOTH® WIRELESS NETWORK PROCESSOR

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Package	Frequency Range (GHz)	Data Rate (Mbps)	Supply Voltage (Max) (V)	Output Power (dBm)	Price Each		
							1	10	100
511-BLUENRGQTR	BLUENRGQTR	QFN-32	2.4 - 2.4835	1	3.6	8	3.22	2.59	2.30

BLUETOOTH® MODULES

Features:
- Bluetooth® radio
- Fully embedded Bluetooth w/ profiles
- Complete RF ready module
- ST micro Cortex-M3 microprocessor up to 72MHz
- 256KB Flash memory
- 48KB RAM memory

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Operating Voltage (V)	Sensitivity (dBm)	Frequency Band (GHz)	Data Rate (Mbps)	I/O	Price Each
511-SPBT2632C1A.AT2	SPBT2632C1A.AT2	2 to 3.6	-90	2.4	1.5	16	15.00
511-SPBT2632C2A.AT2	SPBT2632C2A.AT2	2.1 to 3.6	-86	2.4	1.5	7	19.05

WIRELESS BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	STMicroelectronics Part No.	Description	Price Each
511-STEVAL-IDB003V1	STEVAL-IDB003V1	BlueNRG IC based Low Power Bluetooth Smart USB Dongle Evaluation Board	42.50
511-STEVAL-CCA048V1	STEVAL-CCA048V1	STA333ML Sound Terminal 2-Ch Microless High-Efficiency Digital Audio System Board	58.75
511-STEVAL-IDB002V1	STEVAL-IDB002V1	STM32L BlueNRG Low Energy Network Processor Bluetooth SMART Board	140.00
511-STEVAL-IDS001V2	STEVAL-IDS001V2	SPIRIT1 315MHz, Low Data-Rate, Short-Range USB Dongle Transceiver	63.75
511-STEVAL-IDS001V3	STEVAL-IDS001V3	SPIRIT1 433MHz, Low Data-Rate, Short-Range USB Dongle Transceiver	63.75
511-STEVAL-IDS001V4	STEVAL-IDS001V4	SPIRIT1 868MHz, Low Data-Rate, Short-Range USB Dongle Transceiver	63.75
511-STEVAL-IDS001V5	STEVAL-IDS001V5	SPIRIT1 915MHz, Low Data-Rate, Short-Range USB Dongle Transceiver	63.75
511-STEVAL-IKR001V8D	STEVAL-IKR001V8D	SPIRIT1 868MHz, Sub GHz Transceiver Daughterboard with Power Amplifier Demonstration Board	226.25
511-STEVAL-IKR002V4	STEVAL-IKR002V4	SPIRIT1 868MHz, Sub GHz Transceiver Development Kit	375.00
511-XNUCLEOIDB04A1	X-NUCLEO-IDB04A1	STM32 Nucleo Bluetooth Low Energy Expansion Board based on BlueNRG	12.50

MOUSER ELECTRONICS

(800) 346-6873

Wireless Solutions

Texas Instruments

ZIGBEE® SOLUTION KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-CC2538EMK	CC2538EMK	CC2538DK Evaluation Module Kit	100.98
595-CC2538-CC2592EMK	CC2538-CC2592EMK	CC2538, CC2592 Evaluation Module Kit	99.20
595-CC2540DK-MINI	CC2540DK-MINI	CC2540 Development Kit	105.70
595-CC2541DK-MINI	CC2541DK-MINI	CC2541 Mini Development Kit	100.98
595-TRF370417EVM	TRF370417EVM	TRF370417 Evaluation Module Kit	203.00

RF ISM BAND TOOL SOLUTIONS

IEEE802.15.4

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Frequency (Min) (MHz)	Frequency (Max) (MHz)	Modulation Techniques	Integrated Bit Synchronizer	Internal RF Switch/ IF Filter	1	10	100	250
595-CC2520RHDT	CC2520RHDT	QFN-28	2394	2507	DSSS	Yes	Yes	5.88	4.73	4.30	3.88
595-CC2533F32RHAT	CC2533F32RHAT	VQFN-40	2394	2507	DSSS	No	No	7.37	6.64	5.46	5.01
595-CC2538SF53RTQT	CC2538SF53RTQT	QFN-56	2394	2507	DSSS	No	No	11.70	10.54	8.66	7.95

ISM 2.4GHz

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Current Consumption (RX) (mA)	Ram (KB)	Flash (KB)	Frequency (Min) (MHz)	Frequency (Max) (MHz)	Modulation Techniques	1	10	100	250
595-CC2564BRVMT	CC2564BRVMT	VQFN-76	1	-	-	2402	2480	EDR, GFSK	6.16	4.95	4.50	4.07
595-CC2591RGVR	CC2591RGVR	QFN-16	1.7-3.4	-	-	2400	2483.5	-	4.90	3.94	3.58	3.24
595-CC2591RGVT	CC2591RGVT	QFN-16	1.7-3.4	-	-	2400	2483.5	-	5.74	4.61	4.20	3.79
595-CC2541F128RHAT	CC2541F128RHAT	VQFN-40	17.9	8	128	2379	2400	GFSK	5.77	4.64	4.22	3.81
595-CC2540F128RHAT	CC2540F128RHAT	VQFN-40	19.6	8	128	2402	2480	GFSK	6.30	5.06	4.61	4.16
595-CC2540F256RHAT	CC2540F256RHAT	VQFN-40	19.6	8	256	2402	2480	GFSK	6.58	5.29	4.81	4.35
839-CC2511F16RSP	CC2511F16RSP	QFN-36	22	2	16	2400	2483.5	2-FSK, GFSK, MSK	6.97	6.28	5.16	4.74
839-CC2511F32RSP	CC2511F32RSP	QFN-36	22	4	32	2400	2483.5	2-FSK, GFSK, MSK	7.22	6.50	5.35	4.91
595-CC2570RHAT	CC2570RHAT	QFN-40	23.7	-	-	2400	2495	GFSK	6.50	5.85	4.81	4.42
595-CC2571RHAT	CC2571RHAT	QFN-40	23.7	-	-	2400	2495	GFSK	7.25	6.53	5.37	4.93
595-CC8520RHAT	CC8520RHAT	VQFN-40	25	-	-	2400	2483.5	-	7.62	6.86	5.64	5.18
595-CC8521RHAT	CC8521RHAT	QFN-40	29	-	-	2400	2483.5	-	8.12	7.32	6.01	5.52
595-CC8531RHAT	CC8531RHAT	QFN-40	29	-	-	2400	2483.5	-	8.50	7.65	6.29	5.78
595-CC2564RVMT	CC2564RVMT	QFN-76	39.2	8	64	2402	2480	GFSK, EDR	6.77	5.45	4.95	4.48
595-CC2592RGVT	CC2592RGVT	VQFN-16	155	-	-	2400	2483	-	3.86	3.10	2.82	2.55

SUB 1-GHz

• Complies with EN 300 220 and FCC CFR 47, Part 15

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Frequency (MHz) Min.	Frequency (MHz) Max.	Flash Size (kB)	Ram Size (byte)	Operating Volt Min/Max	Data Rate (Max) (Mbps)	Output Power	1	10	100
839-CC1000R	CC1000PW	TSSOP-28	300	1000	-	-	2.1/3.6	76.8	Single-Ended	8.62	7.77	6.38
839-CC1000T/R-R	CC1000PWR	TSSOP-28	300	1000	-	-	2.1/3.6	76.8	Single-Ended	7.25	6.53	5.37
595-CC1190RGVT	CC1190RGVT	QFN-16	850	950	-	-	2.0/3.7	-	Single-Ended	4.90	3.94	3.58

CHIPSETS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Mode	Description	1	10	100	250
2.5G Band Chipset								
595-TRF1123IRTMT	TRF1123IRTMT	QFN-32	FDD/HFDD, TDD	Power Amplifier Driver	13.56	12.33	10.48	9.55
3.5G Band Chipset								
595-TRF1216IRGPT	TRF1216IRGPT	QFN-20	FDD/HFDD, TDD	RF Down-Converter	15.14	13.78	9.29	9.12

CC110L RF BOOSTER PACK

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Frequency Max. (MHz)	Output Power (dBm)	Supply Voltage (V)	Operating Supply Voltage (V)	Operating Temperature Range (ºC)	Price Each
595-430BOOST-CC110L	430BOOST-CC110L	300	10	-0.3 to 3.9	3.6	-40 to +85	19.40

RF POWER DETECTORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Package	RF Freq. (MHz)	Channels	Dynamic Range (dB)	Supply Volt. (V) Min.	Supply Volt. (V) Max.	Iq (Typ.) (mA)	Sensor Gain (mV/°C)	Single Supply	Output Current (mA)	Specific Temp. Range (°C)	1	10	100	250
926-LMV225SD/NOPB	LMV225SD/NOPB	LLP-6	450-2000	1	30	2.7	5	4.8	1/1	-30 to 0	1	-40 to 85	1.36	1.20	.953	.813
926-LMV225TL/NOPB	LMV225TL/NOPB	MicroSMD	450-2000	1	30	2.7	5	4.8	1/1	-30 to 0	1	-40 to 85	1.19	1.05	.834	.712
926-LMV226TL/NOPB	LMV226TL/NOPB	MicroSMD	450-2000	1	30	2.7	5	4.9	1/1	-15 to 15	1	-40 to 85	1.57	1.38	1.09	.935
926-LMH2120UM/NOPB	LMH2120UM/NOPB	MicroSMD	50-6000	1	40	2.7	5	2.9	1/1	-35 to 5	0.5	-40 to 85	2.64	2.38	1.92	1.70
926-LMH2110TM/NOPB	LMH2110TM/NOPB	MicroSMD	50-8000	1	45	2.7	5	4.8	1/1	-40 to 5	0.5	-40 to 85	2.64	2.38	1.92	1.70

TEXAS INSTRUMENTS Low Power RF Solutions

TEXAS INSTRUMENTS

RoHS Compliant. **This page of product is RoHS compliant.**

RF SYNTHESIZER

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	VCC	Output Frequency Range (Min.)(MHz)	Output Frequency Range (Max.)(MHz)	Operating Temperature Range (ºC)	Price Each 1	10	100	250
595-TRF3765IRHBT	TRF3765IRHBT	QFN-32	3.3	300	4800	-40 to 85	12.87	11.70	9.94	9.06
Evaluation Module				Description				Price Each		
595-TRF3765EVM-F	TRF3765EVM-F	Evaluation Module for TRF3765, a Integer-N/Fractional-N PLL with Integrated VCO for Wideband Synthesis						508.98		

RFID DEVELOPMENT TOOLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Description	Tool/Software Type	Typical Read Range (cm)	Frequency (MHz)	.dll or .h Files Included	Price Each
595-CC11XLEMK-433	CC11XLEMK-433	Value Line Evaluation Modules	Evaluation	-	433	No	101.00
595-RI-K3A-001A-00	RI-K3A-001A-00	Series 2000 LF Micro RFID Evaluation Kit	Starter Kit	15	134.2	No	500.25
595-RI-RFM-003C-30	RI-RFM-003C-30	Series 2000 Mini RFM Evaluation Kit	Evaluation	-	134.2	No	180.00
595-TRF371109EVM	TRF371109EVM	TRF371109 Evaluation Module	Evaluation	-	1700	No	305.00
595-TRF372017EVM	TRF372017EVM	TRF372017 Evaluation Module	Evaluation	-	4800	No	305.00

IQ MODULATORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No	Package	I/Q Input Common-Mode Voltage (Typ.)(V)	Supply Voltage	Frequency Min.	Max.	Noise Floor (Typ.)(dBm/Hz)	P1dB (Typ.)(dBm)	Price Each 1	10	100	500
595-TRF3705IRGET	TRF3705IRGET	VQFN-24	0.25	3.3	300MHz	4GHz	-160	9.1	11.68	10.62	9.02	7.69
595-TRF37T05IRGET	TRF37T05IRGET	VQFN-24	0.25	3.3	300MHz	4GHz	-160	13	11.62	10.56	8.98	7.66
595-TRF371109IRGZT	TRF371109IRGZT	VQFN-48	1.5	5	300MHz	1700MHz	-	3	22.77	21.06	17.98	15.71
595-TRF370417IRGET	TRF370417IRGET	VQFN-24	1.7	5	50MHz	6000MHz	-162	12	20.59	19.04	16.26	14.20
595-TRF372017IRGZT	TRF372017IRGZT	PVQFN-48	1.7	5	300MHz	4800MHz	-163	12	12.57	11.43	9.71	8.28
595-TRF370333IRGET	TRF370333IRGET	VQFN-24	3.3	5	350MHz	4000MHz	-163	9	11.28	10.26	8.72	7.43
Evaluation Module				Description					Price Each			
595-TRF37T05EVM	TRF37T05EVM	Evaluation Module for TRF37T05, direct-launch quadrature modulator for TDD applications							202.98			

TRANSPONDERS

Encapsulated

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No	Package	Standard	Frequency (MHz)	Transmission Principle	Programmed Read Only No. (Bits)	Programmable Memory (Bits)	Price Each 1	10	100	500
595-RF-HDT-DVBE-N2	RF-HDT-DVBE-N2	RFIDP	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	256	2.34	1.87	1.50	1.18

NFC Tag Type 4

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No	Package	Standard	Frequency (MHz)	Transmission Principle	Programmed Read Only No. (Bits)	Programmable Memory (Bits)	Price Each 1	10	100	500
595-RF430CL330HCPWR	RF430CL330HCPWR	TSSOP-14	ISO 14443B	13.56	ASK	16	16	2.65	2.12	1.70	1.34

Tag-it HF-I Standard Inlays

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No	Package	Standard	Frequency (MHz)	Transmission Principle	Programmed Read Only No. (Bits)	Programmable Memory (Bits)	Price Each 1	10	100	500
595-RI-I03-114A-01	RI-I03-114A-01	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	256	1.04	.84	.645	.498
595-RI-I16-114A-01	RI-I16-114A-01	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	256	1.04	.84	.645	.498
595-RI-I02-114B-01	RI-I02-114B-01	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	256	1.29	1.03	.794	.613

Tag-it HF-I Plus Inlays

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No	Package	Standard	Frequency (MHz)	Transmission Principle	Programmed Read Only No. (Bits)	Programmable Memory (Bits)	Price Each 1	10	100	500
595-RI-I02-112A-03	RI-I02-112A-03	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	2048	1.32	1.06	.815	.63
595-RI-I03-112A-03	RI-I03-112A-03	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	2048	1.08	.868	.667	.515
595-RI-I16-112A-03	RI-I16-112A-03	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	2048	1.08	.868	.667	.515
595-RI-I17-112A-03	RI-I17-112A-03	RFIDN-1	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	2048	1.08	.868	.667	.515

RF TRANSCEIVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No	Package	Supply Voltage (Max.) (V)	Operating Freq. (MHz)	No. of Transceivers	No. of Transmitters	Output Power (dBm)	Modulation Format	Price Each 1	10	100	500
595-CC1200RHBT	CC1200RHBT	QFN-32	3.6	950	1	1	6	2-FSK, 2-GFSK, 4-FSK, 4-GFSK, MSK, OOK	6.32	5.69	4.68	3.61
Development Kit				Description					Price Each			
595-CC3200-LAUNCHXL	CC3200-LAUNCHXL	SimpleLink Wi-Fi CC3200 Wireless MCU LaunchPad							31.86			

READERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No	Package	Sub Family	Standard	Frequency (MHz)	Output Power (mW)	Supply Voltage (VDC)	Current Consumption (mA)	Package Size (mm)	Price Each 1	10	100	500
595-TRF7960RHBR	TRF7960RHBR	QFN-32	HF Readers	ISO 14443A, ISO 1444B, ISO 15693	13.56	100,200	2.7 to 5.5	10	5.15 x 5.15	7.00	6.30	5.18	4.00
595-TRF7960RHBT	TRF7960RHBT	QFN-32	HF Readers	ISO 14443A, ISO 14443B, ISO 15693, ISO 18000-3	13.56	100, 200	2.7 to 5.5	10	5.15 x 5.15	7.25	6.53	5.37	4.14
595-TRF7961RHBT	TRF7961RHBT	QFN-32	HF Readers	ISO 15693, ISO 18000-3	13.56	100, 200	2.7 to 5.5	10	5.15 x 5.15	6.72	5.40	4.91	3.59
595-RI-R6C-001A-03	RI-R6C-001A-03	TSSOP-20	HF Readers	ISO 15693, ISO 18000-3, ISO 14443A	13.56	290	3.3 to 5.5	15	-	13.95	12.70	10.79	8.75

TEXAS INSTRUMENTS Wireless Modules

TEXAS INSTRUMENTS

RoHS Compliant **This page of product is RoHS compliant.**

SMARTRF®04 WIRELESS DEVELOPMENT TOOLS

Evaluate the SmartRF®04 products. Right out of the box, the user can do range testing (PER testing) and transfer data from one PC to another using the SmartRF®04DK.
This enables the user to quickly find out how well the innovative features of the SmartRF®04 ICs.

Perform RF measurements. Using SmartRF® Studio, the user can configure the radio ICs with parameters that suit the intended application and easily measure sensitivity, output power and other RF parameters.

Development Kits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-CC1101DK433	CC1101DK433	433MHz, CC1101 Dev. Kit w/2 SmartRF04 EB Eval Boards, 2 CC1101EM433 Eval Modules and 2 Antennas/Cables	508.98
595-CC1101DK868-915	CC1101DK868-915	868/915MHz, CC1101 Dev. Kit w/2 SmartRF04 EB Eval Boards, 2 CC1101EM868-915 Eval Modules and 2 Antennas/Cables	508.98
595-CC1110EMK868-915	CC1110EMK868-915	868/915MHz, CC1110 Dev. Kit w/2 CC1110868-915 Eval Modules (CC1110 Chip) and 2 Antennas/Cables	100.98
839-2500/50DK	CC2500-CC2550DK	CC2500/CC2550DK Dev. Kit w/2 SmartRF04 Eval Boards, 2 CC2500EM Eval Modules, 1 CC2550EM Eval Module and Antennas/Cables	499.80
595-CC1110-CC1111DK	CC1110-CC1111DK	CC1110/CC1111 Dev. Kit w/2 SmartRF04 Eval Boards, 2 CC1110EM 433MHz Eval Modules, 2 868/915MHz Eval Modules and 1 CC1111EM 868/915MHz USB Dongle	661.97

Evaluation Module Kits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-CC1101EMK433	CC1101EMK433	433MHz, CC1101 Evaluation Module Kit w/2 CC1101433 Eval Modules (CC1101 Chip, 2 Antennas)	101.00
595-CC1101EMK868-915	CC1101EMK868-915	868/915MHz, CC1101 Evaluation Module Kit w/2 CC1101868-915 Eval Modules (CC1101 Chip, 2 Antennas)	101.00
595-1101CC1190EMK915	CC1101CC1190EMK915	915MHz, CC1101-CC1190EM Evaluation Module Kit w/2 CC1101-CC1190EM Eval Modules; 2 Whip Antennas	101.00
595-CC1110EMK433	CC1110EMK433	433MHz, CC1110 Evaluation Module Kit w/2 CC1110 Eval Modules (CC1110 Chip) and 2 Antennas	100.98
839-2500EMK	CC2500EMK	2.4GHz, CC2500 Evaluation Module Kit w/2 CC2500EM Eval Modules and 2 Antennas	102.00
595-CC2510EMK	CC2510EMK	CC2510EM Evaluation Module Kit w/2 CC2510EM Eval Modules and 2 Antennas	159.08

Accessory

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-CC2511EMK	CC2511EMK	CC2511 Module/USB Dongle	52.31

CC1120/CC1121 EVALUATION MODULE KITS

The CC1120 and CC1121 Evaluation Module Kit can be used in conjunction with the CC1120 Development Kit to evaluate the operation of the Performance Line RF-IC at these particular frequency bands.
The CC1120DK is required for operation and needs to be ordered separately.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-CC1120EMK868-915	CC1120EMK-868-915	868/915MHz, CC1120 Evaluation Module Kit w/2 CC1120868/915 Eval Modules and 2 Whip Antennas	101.00
595-CC1120EMK-955	CC1120EMK-955	955MHz, CC1120 Evaluation Module Kit w/2 CC1120955 Eval Modules and 2 Whip Antennas	101.00
595-CC1121EMK868-915	CC1121EMK-868-915	868/915MHz CC1121 Evaluation Module Kit w/2 CC1121868/915 Eval Modules and 2 Whip Antennas	101.00

SIMPLELINK™ CC3000 WI-FI SOLUTION

SimpleLink™ CC3000 Wi-Fi is a self-contained wireless solution that simplifies the process of implementing Internet connectivity. SimpleLink Wi-Fi minimizes host microcontroller (MCU) software requirements making it the ideal solution for embedded applications using any low-cost/low-power MCU. The SimpleLink CC3000 Wi-Fi solution is provided as a module to reduce development time, lower manufacturing costs, save board space, ease certification, and minimize RF expertise required. Additionally, it is provided as a complete platform solution including software drivers, sample applications, API guide, user documentation and a world-class support community.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-CC3000MOD	CC3000MOD	CC3000 Evaluation Module is a Self Contained Wireless Processor	27.60

CC2500 WIRELESS DEVELOPMENT TOOLS

Solar Energy Development Kit

The eZ430-RF2500-SEH is a complete Solar Energy Harvesting development kit to help create a perpetually powered wireless sensor network based on the ultra-low-power MSP430 microcontroller. The Solar Energy Harvester module includes a high-efficiency solar (2.25x2.25") panel optimized for operating indoors under low-intensity fluorescent lights, which provides enough power to run a wireless sensor application with no additional batteries. Inputs are also available for external energy harvesters such as thermal, piezoelectric, or another solar panel.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-EZ430-RF2500-SEH	EZ430-RF2500-SEH	MSP430 Solar Energy Harvesting Kit w/a High-Efficiency Solar 2.25x2.25 Panel	151.98

Target Board

The eZ430-RF2500T is an additional wireless target board for the eZ430-RF2500 wireless development tool. The eZ430-RF2500T uses the MSP430F2274 which combines 16-MIPS performance with a 200-ksps 10-bit ADC and 2op-amps and is paired with the CC2500 2.4GHz multi-channel RF transceiver designed for low-power wireless applications.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-EZ430-RF2500T	EZ430-RF2500T	MSP430 2.4GHz Wireless Target Board w/2 LEDs, 1 Pushbutton, Battery Expansion Board, Low Power Transceiver	42.70

USB Stick Tool

The eZ430-RF2500 is a complete wireless development tool for the MSP430 and CC2500 that includes all the hardware and software required to develop an entire wireless project with the MSP430 in a convenient USB stick. The tool includes a USB-powered emulator to program and debug your application in-system and two 2.4-GHz wireless target boards featuring the highly integrated MSP430F2274 ultra-low-power MCU.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-EZ430-RF2500	EZ430-RF2500	MSP430/CC2500 a USB Powered Emulator and 2/2.4GHz Wireless Target Boards	128.11

PUREPATH DEVELOPMENT KITS

CC85XXDK will let the user fully evaluate PurePath Wireless technology and the CC8520 for wireless audio applications. Audio interfaces available with the kit include S/PDIF optical + coax input/output, line input/output, headphone output and microphone input. A TLV320AIC3101 audio codec is mounted on the PurePath Wireless Audio Evaluation Board, which also has connectors compatible with other TI Codecs. CC85XXDK works with PurePath Wireless Configurator PC tool which helps designers configure and test PurePath Wireless Audio devices.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-CC85XXDK	CC85XXDK	PurePath Wireless Development Kit w/2 Boards, 2 Modules, 2 Antennas, 1 CC Debugger, 2 Mini Cables, 1 Mini Jack Cable, 1 Male to Male Cable	305.00
595-CC85XXDK-HEADSET	CC85XXDK-HEADSET	PurePath Wireless Headset Development Kit w/2 Headset Boards, 2 Batteries, 1 Debugger, 1 USB Micro Cable, 1 Jack to Jack Cable	152.00

CC1200 WIRELESS DEVELOPMENT TOOLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-CC1200DK	CC1200DK	CC1200 Development Kit w/2 SmartRF Transceiver EB, 2 CC1200EM 868/930MHz, 2 Pulse Antennas, 1 MSP430 Debugger	304.98
595-CC1200EMK420-470	CC1200EMK-420-470	420/470MHz, CC1200 Evaluation Module Kit w/2 CC1200420/470 Eval Modules and 2 Antennas	100.98
595-CC1200EMK868-930	CC1200EMK-868-930	868/930MHz, CC1200 Evaluation Module Kit w/2 CC1200868/930 Eval Modules and 2 Antennas	100.98

WIZNET Network Internet and TCP/IP MCUs

WIZnet

Wireless Solutions · WIZnet

INTERNET MCU

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	WIZnet Part No.	MCU Architecture	Package	SRAM (KB)	Code Memory (KB)	Timers/ Counters	Clock Frequency Max. (MHz)	Operating Supply Voltage (V)	Price Each
950-W7100A	W7100A	8051	LQTP-100	64	255	3	25	3 to 3.6	6.67

INTERNET MCUS EVALUATION BOARDS AND DEBUGGERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-IMCU7100EVB	iMCU7100EVB	Evaluation Board for testing W7100A - Includes Character LCD, RS232 Port (D9), Ethernet Port, and DTAG Header	59.40
950-IMCU7100DEBUGGER	iMCU7100Debugger	Debugger for W7100A - Includes USB Port, and DTAG Header	59.40

TCP/IP CONTROLLERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	WIZnet Part No.	TCP/IP Stack	ADSL	Speed (Mbps)	Internal Memory (KB)	Input Voltage Max (V)	Output Voltage Max (V)	Input Current Max. (mA)	Output Current (mA)	Price Each
950-W5500	W5500	Hardware	No	10	32	6.0	1.2	5	132	3.24
950-W5300	W5300	Hybrid	No	50	128	5.5	3.6	5	2-8	5.83
950-W5200	W5200	Hardware	Yes	-	32	5.5	-	5	-	4.65
950-W5100	W5100	Hardware	Yes	-	16	5.5	-	5	-	5.00
950-W3150A+	W3150A+	Hardware	Yes	-	16	5.5	-	5	-	4.00

TCP/IP CONTROLLER EVALUATION BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-W5200E01-M3	W5200E01-M3	Evaluation Board for W5300 TCP/IP Controller with ARM-Cortex M3 Processor- Includes Character LCD, USB, RS232 Port (D9), and Ethernet Port	77.00
950-W5100E01-AVR	W5100E01-AVR	Evaluation Board for W5100 TCP/IP Controller with AVR Processor - Includes Character LCD, Ethernet, RS-232 Port, and Expanded Board Interface	77.88
IOShields			
950-IOSHIELDA	IOSHIELD_A	ioShield-A allows an Arduino Board to Connect to the Internet, uses W5500 Chipset and has up to 8 Socket Connections	21.50
950-IOSHIELDL	IOSHIELD_L	ioShield-L is an Ethernet BoosterPack for MSP430 LaunchPad Dev. Board	21.50
950-IOSHIELD-K	IOSHIELD_K	ioShield for Gadget Renesas Kurumi Board, uses W5500 Chipset and has up to 8 Socket Connections	21.50

IO MODULE - EMBEDDED NETWORK MODULES AND SHIELDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-WIZ830MJ	WIZ830MJ	W5300 Embedded Network Module, (2) 2.54mm pitch 2x14 header, 16/8 bit BUS I/F	22.39
950-WIZ810MJ	WIZ810MJ	W5100 Embedded Network Module, 2mm pitch 14x2 header, SPI & BUS I/F	20.90
950-WIZ811MJ	WIZ811MJ	W5100 Embedded Network Module, 1.25mm pitch 10x2 header, SPI I/F, 2 PCB Thruhole	22.39
950-WIZ812MJ	WIZ812MJ	W5100 Embedded Network Module, 2.54mm pitch 10x2 header, SPI I/F, 4 PCB Thruhole	22.39

SERIAL TO ETHERNET MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-WIZ100SR	WIZ100SR	Serial to Ethernet Gateway Module using W5100 TCP/IP Controller, 2x12 2mm Pin header array	25.37
950-WIZ107SR	WIZ107SR	Serial to Ethernet Gateway Module using W1700 TCP/IP Controller, 2.54mm pitch 12 pin interface, Ethernet connector	23.88
950-WIZ108SR	WIZ108SR	RS422/RS485 to Ethernet Module using W1700 TCP/IP Controller, 2.54mm Pitch 12 pin interface, Ethernet connector	22.39
950-WIZ110SR	WIZ110SR	Serial to Ethernet Module using W5100 TCP/IP Controller, DB9 Connector, Ethernet Connector	26.87
950-WIZ140SR	WIZ140SR	Serial to Ethernet Module using W5300 TCP/IP Controller, 2.54mm pitch header (1) 14 pin header and (1) 28 pin header	41.90
950-WIZ145SR	WIZ145SR	Serial to Ethernet Module using W5300 TCP/IP Controller, 2.54mm pitch header (1) 14 pin header and (1) 28 pin header, Ethernet Connector	42.85
Evaluation Boards			
950-WIZ100SR-EVB	WIZ100SR-EVB	Evaluation Board for WIZ100SR, Includes RS232 Port (D9), and Ethernet Port	54.60
950-WIZ107SR-EVB	WIZ107SR-EVB	RS232 interface (D9) Evaluation Board for WIZ107SR	77.00
950-WIZ108SR-EVB	WIZ108SR-EVB	RS232/RS485 Interface (Terminal Block) Evaluation Board for WIZ108SR	54.60
950-WIZ820IO	WIZ820io	Plug-in Network Module with W5200 and Ethernet Connector, (2) 2.54mm pitch 1x6 header pins	20.79

WIRELESS MODULES

Bring WiFi Connectivity via Serial Host

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	WIZnet Part No.	Radio Protocol	Modulation	RF Operating Freq. (GHz)	Antenna	Power Consumption Ave. (mA)	I/O Interface	Input Voltage (V)	Price Each
950-WIZFI630	WIZFI630	802.11 b/g/n	OFDM, DSSS	2.4-2.483	U.FL conn	600	UART	3.3	43.50
950-WIZFI210	WizFi210	802.11b/g/n	DSSS, CCK	2.4-2.497	Chip, U.FL conn	125	UART, SPI, I2C, GPIO	3.3	34.25
950-WIZ610WI	WIZ610wi	802.11b/g	OFDM, DSSS	2.412-2.484	U.FL conn	470	UART, CMOS	3.3	41.79

WIRELESS MODULE EVALUATION BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-WIZFI210-EVB	WizFi210-EVB	Evaluation Board for WizFi210 Module - Serial Interface via D9 connector	59.40
950-WIZFI220-EVB	WizFi220-EVB	Evaluation Board for WizFi220-EVB Module - Serial Interface via D9 connector	59.40
950-WIZFI630-EVB	WIZFI630-EVB	Evaluation board for WizFi630	100.00
950-WIZ610WI-EVB	WIZ610wi-EVB	Evaluation Board for WIZ610wi Module - Serial Interface (D9), and Ethernet Connector	59.40
Antennas			
950-W5I-BO-07	W5I-BO-07	WIZ610wi internal antenna	3.33
950-W5E-WO-03L	W5E-WO-03L	External Antenna for WIZ610wi, WizFi210, and WizFi220 - Left Hand SMA Male Connector, 2.5dBi Gain	13.33

APPLICATION MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-W550IO	W550IO	W5500 Auto Configurable Ethernet 3 in 1 Controller Module, 1 Port, SPI Interface	17.51
950-WIZ200WEB-EVB	WIZ200Web-EVB	WIZ2000WEB Evaluation Board with Atmega128 & W5300 IC - Includes Char LCD, operates as an HTTP server	99.00
950-WIZ220IO-EVB	WIZ220IO-EVB	Webserver based IO control module - 8 digital I/O, 2 Analog (12-bit) I/O, supports WebServer	99.00
950-WIZ-SM10-EVB	WIZ-SM10-EVB	Evaluation Board for WIZ-SM10 - 2 Ports Serial to Ethernet, Includes W5100 IC	99.00

EXTERNAL DEVICES

WIZnet finished product with EC, FCC, and KCC certifications. Includes case with mounting tabs and activity/indication LEDs.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	WIZnet Part No.	Description	Price Each
950-WIZ1000	WIZ1000	Serial to Ethernet Gateway - RS232 to Ethernet	77.78
950-WIZ1000-EU	WIZ1000-EU	Serial to Ethernet Gateway - 220V	77.78

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INTEL Chipsets

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intel®

EXPRESS CHIPSETS

Intel Mobile and Desktop Express Chipsets deliver a platform controller hub with extensive I/O support. Intel's platform controller hub (PCH) connects Intel Core series processors with a motherboard via the Flexible Display Interface (FDI) and Direct Media Interface (DMI). The PCH Display Interface integrates the latest display technologies such as HDMI, DisplayPort, Embedded DisplayPort, Intel SDVO, and DVI, along with legacy display technologies.

Desktop

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Intel Part No.	Package	Core Type	Family	Code Name	No. of USB Ports	No. of SATA Ports	No. of I/Os	TDP (Max) (W)	WxL (mm)	Price Each		
											1	10	50
607-AC82G41SLGQ3	AC82G41 S LGQ3	FCBGA-1466	GMCH	G41	Eaglelake	-	-	-	25	34x34	24.63	23.61	22.97
607-AC82G45SLB84	AC82G45 S LB84	FCBGA-1254	GMCH	G45	Eaglelake	-	-	-	24	34x34	32.85	31.50	30.66
607-AC82Q45SLB8A	AC82Q45 S LB8A	FCBGA-1254	GMCH	Q45	Eaglelake	-	-	-	17	34x34	31.42	30.13	29.33
607-NH82801IRSLA9N	NH82801IR S LA9N	mBGA-676	ICH	82801	ICH9	12	6	18	4.3	31x31	24.63	23.61	22.97
607-AF82801JIBSLB8R	AF82801JIB S LB8R	mBGA-676	ICH	82801	ICH10	12	6	16	4.5	31x31	20.29	19.44	18.91
607-BD3450SLGZY	BD3450 S LGZY	FCBGA-951	PCH	3450	Ibex Peak	14	6	-	5.9	27x27	57.74	56.16	54.66
607-BD82C216SLJ8H	BD82C216 S LJ8H	FCBGA-942	PCH	C16	Panther Point	14	6	-	6.7	27x27	64.78	63.01	61.33
607-BD82C206SLJ4G	BD82C206 S LJ4G	FCBGA-942	PCH	C206	Cougar Point	14	6	-	3.9	27x27	64.78	63.01	61.33
607-BD82H61SLJ4B	BD82H61 S LJ4B	FCBGA-942	PCH	H61	Cougar Point	10	4	-	6.1	27x27	28.57	27.39	26.66
607-DH82QM87SR17C	DH82QM87 S R17C	FCBGA-695	PCH	QM87	Lynx Point	14	10	18	2.7	20x20	63.38	61.64	60.00
607-BD82Q77SLJ83	BD82Q77 S LJ83	FCBGA-942	PCH	Q77	Panther Point	14	6	-	6.7	27x27	57.74	56.16	54.66

Mobile and Atom

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Intel Part No.	Package	Core Type	Family	Code Name	No. of USB Ports	No. of SATA Ports	No. of I/Os	TDP (Max) (W)	WxL (mm)	Price Each		
											1	10	50
607-QG82910GMLESLA9L	QG82910GMLE S LA9L	FCBGA-1257	GMCH	910GMLE	Alviso	-	-	-	10.5	37.5x40	24.63	23.61	22.97
607-QG82945GSESLB2R	QG82945GSE S LB2R	FCBGA-998	GMCH	945GSE	Calistoga	-	-	-	6	27x27	32.85	31.50	30.66
607-AC82GL40SLB95	AC82GL40 S LB95	FCBGA-1329	GMCH	GL40	Cantiga	-	-	-	12	34x34	23.18	22.22	21.62
607-AC82GM45SLB94	AC82GM45 S LB94	FCBGA-1329	GMCH	GM45	Cantiga	-	-	-	12	34x34	35.71	34.24	33.33
607-LE82GME965SLJ9Z	LE82GME965 S LJ9Z	FCBGA-1299	GMCH	GME965	Crestline	-	-	-	13.5	35x35	32.85	31.50	30.66
607-AC82GS45SLB92	AC82GS45 S LB92	FCBGA-1363	GMCH	GS45	Cantiga	-	-	-	12	25x27	42.25	41.09	40.00
607-AM82801IUXSLB8N	AM82801IUX S LB8N	uBGA-576	ICH	82801	ICH9	12	4	16	2.5	16x16	28.57	27.39	26.66
607-AF82801IBMSLB8Q	AF82801IBM S LB8Q	mBGA-676	ICH	82801	ICH9	12	4	16	2.5	31x31	21.73	20.83	20.27
607-AF82801IEMSLB8P	AF82801IEM S LB8P	mBGA-676	ICH	82801	ICH9	12	4	16	2.5	31x31	28.57	27.39	26.66
607-DW82801HBMSLJ4Y	DW82801HBM S LJ4Y	TBGA-676	ICH	82801HB	ICH8	10	3	-	3.7	31x31	18.84	18.05	17.56
607-BD82HM55SLGZS	BD82HM55 S LGZS	FCBGA-1071	PCH	HM55	Ibex Peak	14	4	-	3.5	25x27	52.11	50.68	49.33
607-BD82HM65SLJ4P	BD82HM65 S LJ4P	FCBGA-989	PCH	HM65	Cougar Point	12	6	-	3.9	25x25	52.11	50.68	49.33
607-BD82HM76SLJ8E	BD82HM76 S LJ8E	FCBGA-989	PCH	HM76	Panther Point	12	6	-	4.1	25x25	56.33	54.79	53.33
607-CG82NM10	CG82NM10 S LGXX	BGA-360	PCH	NM10	Tiger Point	8	2	-	2.1	17x17	24.63	23.61	22.97
607-BD82QM57SLGZQ	BD82QM57 S LGZQ	FCBGA-1071	PCH	QM57	Ibex Peak	14	6	-	3.5	25x27	63.38	61.64	60.00
607-BD82QM67SLJ4M	BD82QM67 S LJ4M	FCBGA-989	PCH	QM67	Cougar Point	14	6	-	3.9	25x25	63.38	61.64	60.00
607-BD82QM77SLJ8A	BD82QM77 S LJ8A	FCBGA-989	PCH	QM77	Panther Point	14	6	-	4.1	25x25	63.38	61.64	60.00
607-LE82US15ECSLGQA	LE82US15EC S LGQA	FCBGA-1295	SCH	US15	Poulsbo	8	-	-	2.3	37.5x37.5	35.71	34.24	33.33
607-LE82US15EESLGQ9	LE82US15EE S LGQ9	FCBGA-1295	SCH	US15	Poulsbo	8	-	-	2.3	37.5x37.5	42.25	41.09	40.00

Server

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Intel Part No.	Package	Core Type	Family	Code Name	No. of USB Ports	No. of SATA Ports	No. of I/Os	TDP (Max) (W)	WxL (mm)	Price Each		
											1	10	50
607-AC5520SLH3P	AC5520 S LH3P	FCBGA-1295	ICH	5500	Tylersburg	-	-	-	27.1	35.5x35.5	54.93	53.42	52.00
607-AF82801JIRSLB8S	AF82801JIR S LB8S	mBGA-676	ICH	82801	ICH10	12	6	16	4.5	31x31	24.63	23.61	22.97
607-BD3420SLH25	BD3420 S LH25	FCBGA-951	PCH	3420	Ibex Peak	12	6	-	5.9	27x27	39.43	38.35	37.33
607-DH8900CCSLJW2	DH8900CC S LJW2	FCBGA-942	PCH	8900	Cave Creek	6	2	-	8.5	27x27	49.29	47.94	46.66
607-DH8903CCSLJVZ	DH8903CC S LJVZ	FCBGA-942	PCH	8903	Cave Creek	6	2	-	9.5	27x27	84.50	82.19	80.00
607-DH8910CCSLJVY	DH8910CC S LJVY	FCBGA-942	PCH	8910	Cave Creek	6	2	-	11	27x27	133.80	130.13	126.66
607-DH8920CCSLJVX	DH8920CC S LJVX	FCBGA-942	PCH	8920	Cave Creek	6	2	-	12	27x27	171.83	162.66	158.44
607-DH8925CLSLK96	DH8925CL S LK96	FCBGA942	PCH	8925CL	Coleto Creek	6	2	-	17	27x27	211.26	200.00	194.80
607-DH8950CLSLKCK	DH8950CL S LKCK	FCBGA942	PCH	8950	Coleto Creek	6	2	-	17	27x27	337.83	324.67	312.50
607-BD82C602JSLJNG	BD82C602J S LJNG	FCBGA-901	PCH	C602J	Patsburg	14	6	-	8	27x27	71.83	69.86	68.00
607-BD82C604SLJKJ	BD82C604 S LJKJ	FCBGA-901	PCH	C604	Patsburg	14	10	-	8	27x27	80.28	78.08	76.00

THUNDERBOLT CONTROLLERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Intel Part No.	Package	No. of I/O Thunderbolt Channels	Interface	No. of Ports	TDP (Max) (W)	Tcase (°C)	Price Each		
								1	10	50
607-DSL2210SLJJN	DSL2210 S LJJN	FC-CSP-102	1	PCI	Single	0.7	110	7.90	-	7.20
607-DSL2310SLJ3W	DSL2310 S LJ3W	FC-CSP-192	2	PCI	Single	1.85	110	17.39	16.66	16.21
607-DSL4410SR15Z	DSL4410 S R15Z	FC-CSP	2	PCI	Single	-	-	12.46	11.76	11.43
607-DSL5320SR1MD	DSL5320 S R1MD	FC-CSP	2	PCI	Single	-	-	12.46	11.76	11.43
607-CV82524EFLSLHAJ	CV82524EFL S LHAJ	FCBGA-220	4	PCI	Dual	3.2	110	17.39	16.66	16.21
607-CV82524EFLSLHAM	CV82524EF S LHAM	FCBGA-220	4	PCI	Dual	3.2	-	17.39	16.66	16.21
607-CV82524EFLSLHAK	CV82524EFL S LHAK	FCBGA-220	4	PCI	Dual	3.2	110	17.39	16.66	16.21
607-CV82524EFLSLJJX	CV82524EFL S LJJX	FCBGA-220	4	PCI	Dual	3.2	-	17.39	16.66	16.21
607-DSL3510LSLJQX	DSL3510L S LJQX	FC-CSP-288	4	PCI	Dual	2.8	110	13.88	13.09	12.74
607-DSL4510SR15X	DSL4510 S R15X	FCCSP-288	4	PCI	Dual	-	-	13.88	13.09	12.74
607-DSL5520SR1JD	DSL5520 S R1JD	FC-CSP	4	PCI	Dual	-	-	13.88	13.09	12.74

ADLINK TECHNOLOGY Embedded Computer Modules

COMPUTER-ON-MODULES

COM Express® Module with Intel® Core

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-Q7-BT4-4G-8G-ER	Q7-BT4-4G-8G-ER	Q7 INTEL Atom E3845 quad core processor at 1.91GHz, 4 GB DDR3L, 8 GB eMMC, extreme rugged operating temperature	386.60	374.66
976-Q7-BT2-4G-8G-ER	Q7-BT2-4G-8G-ER	Q7 INTEL Atom E3826 dual core processor at 1.91GHz, 4 GB DDR3L, 8 GB eMMC, extreme rugged operating temperature	360.03	348.91
976-Q7-BT1-2G-8G-ER	Q7-BT1-2G-8G-ER	Q7 INTEL Atom E3815 single core processor at 1.46GHz, 2 GB DDR3L, 8 GB eMMC, extreme rugged operating temperature	349.40	338.60

COM Express® Type 6 Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-CEXPRESSBT-E3825	cExpress-BT-E3825	Compact COM Express® type 6 module with Intel Atom E3825 at 1.33GHz	243.12	235.61
976-CEXPRESSBT-E3845	cExpress-BT-E3845	Compact COM Express® type 6 module with Intel Atom E3845 at 1.91GHz	273.68	265.22
976-EXP-HL-I3-4100E	Express-HL-i3-4100E	COM Express® Basic Size Type 6 Module with Intel® Core™ i3-4100E at 2.4 GHz with GT2 level graphics	706.78	684.94
976-EXP-HL-I5-4400E	Express-HL-i5-4400E	COM Express® Basic Size Type 6 Module with Intel® Core™ i5-4400E at 2.7 GHz with GT2 level graphics	787.83	763.48
976-EXP-HL-I7-4700EQ	Express-HL-i7-4700EQ	COM Express® Basic Size Type 6 Module with Intel® Core™ i7-4700EQ at 2.4/1.7 GHz with GT2 level graphics	999.07	968.20

Mini-Size COM Express® Type 10 Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-NANOX-E3825-2G/8	nanoX-BT-E3825-2G/8G	Mini COM Express® type 10 with Intel Atom E3825 at 1.33GHz and 2 GB non ECC DDR3L	278.99	270.72
976-NANOX-E3845-2G	nanoX-BT-E3845-2G	Mini COM Express® type 10 with Intel Atom E3845 at 1.91GHz and 2 GB non ECC DDR3L	292.28	283.25
976-NANOX-E3826-2G	nanoX-BT-E3826-2G	Mini COM Express® type 10 with Intel Atom E3826 at 1.46GHz and 2 GB non ECC DDR3L	271.02	262.65
976-NANOX-E3825-2G	nanoX-BT-E3825-2G	Mini COM Express® type 10 with Intel Atom E3825 at 1.33GHz and 2 GB non ECC DDR3L	263.05	254.92
976-NANOX-E3815-2G	nanoX-BT-E3815-2G	Mini COM Express® type 10 with Intel Atom E3815 at 1.46GHz and 2 GB non ECC DDR3L	251.09	243.33
976-NANOX-TC-E620-1G	nanoX-TC-E620-1G	Intel® Atom™ E620 processor at 600MHz, PCH EG20T, and 1GB soldered DDR2 SDRAM	237.81	230.46
976-NANOX-TC-E640-1G	nanoX-TC-E640-1G	Intel® Atom™ E640 processor at 1.0GHz, PCH EG20T, and 1GB soldered DDR2 SDRAM	259.06	251.06
976-NANOX-TC-E680-1G	nanoX-TC-E680-1G	Intel® Atom™ E680 processor at 1.6GHz, PCH EG20T and 1GB soldered DDR2 SDRAM	344.09	333.46

SMARC COM Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-LEC-BT4-4G-8G-ER	LEC-BT4-4G-8G-ER	SMARC full size module with Intel Atom E3845, quad core, extreme rugged operating temperature	393.25	381.10
976-LEC-BT2-2G-8G-ER	LEC-BT2-2G-8G-ER	SMARC full size module with Intel Atom E3826, dual core, extreme rugged operating temperature	306.90	297.40
976-LEC-BT1-2G-8G-ER	LEC-BT1-2G-8G-ER	SMARC full size module with Intel Atom E3815, single core, extreme rugged operating temperature	286.96	278.10
976-LEC-BTS4-2G-ER	LEC-BTS4-2G-ER	SMARC short module with Intel Atom E3845, quad core, 2 GB DDR3L, extreme rugged operating temperature	301.58	292.26
976-LEC-BTS2-2G-ER	LEC-BTS2-2G-ER	SMARC short module with Intel Atom E3826, dual core, 2 GB DDR3L, extreme rugged operating temperature	276.33	267.80
976-LEC-BTS1-2G-ER	LEC-BTS1-2G-ER	SMARC short module with Intel Atom E3815, single core, 2 GB DDR3L, extreme rugged operating temperature	256.41	248.48

Starter Kits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each
976-KIT-HLI74700EQ4G	STARTERKIT-HL-i7-4700EQ/4G	Starter Kit with Express-HL-i7-4700EQ module with 4GB memory, carrier board, accessory kit, heat sink	1716.25
976-KIT-HLI74700EQ8G	STARTERKIT-HL-i7-4700EQ/8G	Starter Kit with Express-HL-i7-4700EQ module with 8GB memory, carrier board, accessory kit, heat sink	1755.00
976-SKITNANOXTCE680	STARTERKIT-NANOX-TC-E680-1G	Starter Kit for COM Express Type 10 Module with Intel® Atom™ E680 processor	973.75
976-SKIT-COMEXPRESS6	STARTERKIT-COMEXPRESS6	Type 6 Computer-on-Module Starter Kit with Carrier Board and Software	608.75

EXTREME RUGGED™ COMPUTERS-ON-MODULES

Extreme Rugged™ COM Express® Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-EXPRESS-CBR-R-20	Express-CBR-R-20	Express-CBR, Intel® Core™ i7-620LE, 2.0GHz, Dual Core, no RAM	1117.31	1082.78

Extreme Rugged™ COM Express® Type 6 Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-EXPHRRI7R2610UE	Express-HRR-i7-R-2610UE	Type 6 Express-HRR, Intel® Core™ i7-2610UE, 1.5GHz, Dual Core, DDR3 ECC SODIMM supported	1048.22	1015.83
976-EXPIBRI7R3517UE	Express-IBR-i7-R-3517UE	EXTREME RUGGED COM EXP Intel® i7-3517UE	1041.58	1009.39
976-EXPIBRI7R3555LE	Express-IBR-i7-R-3555LE	EXTREME RUGGED COM EXP Intel® i7-3555LE	1102.69	1068.62

Mini Size Extreme Rugged COM Express Type 10

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-NANOX-TCR-R-13	nanoX-TCR-R-13	Intel® Atom™ Processor E660T 1.3GHz, 1GB DDR2 SDRAM	398.60	386.30
976-NANOX-TCR-R-16	nanoX-TCR-R-16	Intel® Atom™ Processor E680T 1.6GHz, 1GB DDR2 SDRAM, 4GB SSD	415.83	-

Starter Kits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each
976-CM-920-L-10	CM-920-L-10	QuickStart Kit includes CM-920-R-10, cable kit, CM920-TM-CU, USB stick with BSP/drivers and manuals	1686.25
976-EXPHRRI7L2610UE	Express-HRR-i7-L-2610UE	Starter kit for Express-HRR-i7-R-2610UE, 2x2GB DDR3 ECC RAM, non-ETT, cable kit, software	1872.50

REFERENCE CARRIER BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each
976-NANOX-BASE	nanoX-BASE	COM Express® Type 1 Reference Carrier Board with onboard PCIe to PCI bridge	347.50
976-EXPRESS-BASE6	EXPRESS-BASE6	COM Express® Type 6 Reference Carrier Board in ATX form factor	340.00
976-LEC-3517	LEC-3517	SMARC board, TI AM3517 Cortex-A8 600 MHz, 256 MB DDR2 SDRAM, 512 MB NAND Flash	111.59
976-LEC-BASE	LEC-BASE	SMARC Reference Carrier Board for LEC-3517 module, MXM 314 pins for TI TCA8418, TSC204061PW	482.70
976-Q7-BASE-R01	Q7-BASE-R01	Qseven Reference Carrier Board for Qseven compliant modules	220.00

EMBEDDED COMPUTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-MXC-6201D	MXC-6201D	Intel® Core i7-620LE 2.0GHz fanless expandable embedded computer	1569.48	1522.71
976-MXC-6201D/M4G	MXC-6201D/M4G	Intel® Core i7-620LE 2.0GHz fanless expandable embedded computer with 4GB memory	1594.55	1547.04
976-MXE-1301	MXE-1301	Intel® Atom D2550 Fanless Emb Computer	517.38	486.26
976-MXE-1311	MXE-1311	Intel® Atom D2550 Fanless Emb Computer	619.78	582.50
976-MXE-1311/M4G	MXE-1311/M4G	Intel® Atom D2550 Fanless Emb Computer	653.03	613.75
976-MXE-3002	MXE-3002	Embedded Computer Intel® Atom™ D510	640.62	619.27
976-MXE-3002/M2G	MXE-3002/M2G	Intel® Atom™ D510 Fanless Embedded Computer with Integrated I/O	646.38	627.12
976-MXE-5301	MXE-5301	Powerful 2nd Generation Intel® Core™ i7 Fanless Embedded Computer	1715.99	1664.87
976-MXE-5301/M8G	MXE-5301/M8G	Powerful 2nd Generation Intel® Core™ i7 Fanless Embedded Computer	1763.52	1710.96

ADLINK TECHNOLOGY Embedded Computer Modules

RoHS Compliant **This page of product is RoHS compliant.**

EMBEDDED COMPUTERS (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-MXE-5302	MXE-5302	Powerful 2nd Generation Intel® Core™ i7 Fanless Embedded Computer	1519.32	1474.04
976-MXE-5302/M8G	MXE-5302/M8G	Intel® Core i5 Fanless Emb Computer	1544.40	1485.00
976-MXE-5401/M8G	MXE-5401/M8G	Intel® Core™ i7-4700EQ, Intel QM87, 2x 2.5" HDD/SSD, 8 GB DDR3L, 8DI+8DO w/ 1.5kv isolation, 2x mPCIe slots	1959.87	1899.31
976-MXE-5401/M16G	MXE-5401/M16G	Intel® Core™ i7-4700EQ, Intel QM87, 2x 2.5" HDD/SSD, 16 GB DDR3L, 8DI+8DO w/ 1.5kv isolation, 2x mPCIe slots	2125.68	2059.99
976-TPZ-1301	TPZ-1301	Intel® Atom D2550 Fanless Medical Comp	680.96	640.00

Accessories

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-80WACADPTRMATRIX	80W-AC-ADAPTER-MATRIX	Plug-In AC Adapters AC-DC Adapter 80W w/ PSE, 90~260V, 24V, 3.80A for MXE-3002, MXC-4011D/4002D	83.70	81.21
976-100WACADTRMATRIX	100W-AC-ADAPTER-MATRIX	Plug-In AC Adapters AC-DC Adapter 100W w/ PSE, 100~240V, 24V, 4.16A for MXE-5104/5104M, MXC-6201D/ 6101D	83.70	81.21
976-160WACADTRMATRIX	160W-AC-ADAPTER-MATRIX	Plug-In AC Adapters AC-DC Adapter 160W w/ PSE, 85~264V, 24V, 6.67A for MXE-5300 Series	119.00	112.50

INDUSTRIAL HANDHELD COMPUTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-IMX-3020	IMX-3020	Rugged handheld unit, CCD, Qualcomm, Android 4.0, NFC, 2M camera, BT/WiFi, GPS, 3.5G high speed, 2600 mAh-EU	659.00	639.00
976-IMX-3150	IMX-3150	Rugged handheld unit, Laser, Qualcomm, Android 4.0, NFC, 5M camera, BT/WiFi, GPS, 3.5G high speed, 2600 mAh-EU	775.00	750.00
976-IMX-3250	IMX-3250	Rugged handheld unit, 2D, Qualcomm, Android 4.0, NFC, 5M camera, BT/WiFi, GPS, 3.5G high speed, 2600 mAh-EU	839.00	810.00
976-IMX-1100	IMX-1100	Charging Cradle with Extra Battery Slot	79.00	74.00

EXTREME RUGGED® PC/104 SINGLE BOARD COMPUTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-CM1-BT1-E3815	CM1-BT1-E3815	PC/104, Atom E3845, 1.46GHz, 4GB, single core, includes heat spreader, standard operating temperature	532.74	516.28
976-CM2-BT2-E3825	CM2-BT2-E3825	PC/104-Plus, Atom E3825, 1.33GHz, 4GB, dual core, includes heat spreader, standard operating temperature	565.96	548.47
976-CM3-BT4-E3845-8G	CM3-BT4-E3845-8G	PCI-104, E3845, 1.46GHz, 8GB, quad core, includes heat spreader, standard operating temperature	605.81	587.09
976-CM3-BT1-E3815	CM3-BT1-E3815	PCI-104, E3815, 1.46GHz, 4GB, single core, includes heat spreader, standard operating temperature	506.17	490.53

SINGLE BOARD COMPUTERS

CoreModule™ 720

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-CM-720-R-06	CM-720-R-06	Intel® Atom™ Processor E600T at 0.6GHz with 2GB RAM and 8GB SSD, PC/104-Plus	864.88	838.16
976-CM-720-R-16	CM-720-R-16	Intel® Atom™ Processor E680T at 1.6GHz with 2GB RAM and 8GB SSD, PC/104-Plus	992.42	961.76

CoreModule™ 740

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-CM-740-R-16	CM-740-R-16	Intel® Atom™ Processor N450 at 1.6GHz with 512MB Soldered DDR2 RAM, PC/104-Plus	625.74	606.41

CoreModule™ 745

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-CM-745-R-27	CM-745-R-27	Intel® Atom™ SC N455, 1.66GHz, 4GB SSD, Video, Gigabit Ethernet, PC/104-Plus	573.93	556.19

CoreModule™ 920

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-CM-920-R-10	CM-920-R-10	Intel® Celeron™ 807UE at 1GHz with 2GB Solder Down DDR3 1600 Memory, 8GB SSD	1595.58	1546.28
976-CM-920-R-17	CM-920-R-17	Intel® Core™ i7-3517UE at 1.7GHz with 2GB Solder Down DDR3 1600 Memory, 8GB SSD	2156.23	2089.61

ReadyBoard™ 740, 850, 910

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-RB-740-R-16	RB-740-R-16	Atom D510 1.66GHz, H.264 decoder, DVI, 24-bit LVDS, 4GB on board SSD	609.80	590.96
976-RB-910-S	RB-910-S	ReadyBoard 910, PCI-104, HM65 Chipset, Socket G2, 4GB on board SSD	539.40	522.70
976-RB-910-S-2710	RB-910-S-2710	Intel® Core™ HM65 at 2.1GHz with 4GB on Board SSD, Fansink Thermal Module	1147.86	1112.39

Starter Kits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each
976-CM-720-L-06	CM-720-L-06	0.6GHz QuickStart Kit (R-06 SBC, 2GB RAM, Cable Kit, Software)	1011.25
976-CM-745-L-27	CM-745-L-27	QuickStart Kit for CoreModule® 745, 1.6GHz	790.00
976-RB-910-L-2710	RB-910-L-2710	QuickStart Kit (Intel® Core™ i7-2710QE Processor, cable kit, 2GB RAM, QuickDrive, Fansink thermal module)	1246.25
976-CM-720-L-13	CM-720-L-13	QuickStart Kit (R-13 SBC, 2GB onboard RAM, CM-720-TM-CU heatsink, SDVO-VGA adapter board, Cable Kit, Software)	1090.00
976-CM-720-L-16	CM-720-L-16	QuickStart Kit (R-16 SBC, 2GB onboard RAM, CM-720-TM-CU heatsink, SDVO-VGA adapter board, Cable Kit, Software)	1131.25
976-CM-920-L-17	CM-920-L-17	QuickStart Kit (CM-920-R-17, cable kit, CM920-TM-CU heatsink, USB stick with BSP/drivers and manuals)	2215.00

ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	10
976-EBX-ALL-X-01	EBX-ALL-X-01	EBX Baseboard Cable Kit	159.00	151.00
976-HTS-CBT-B	HTS-cBT-B	Heatspreader for cExpress-BT with threaded standoffs for bottom mounting	26.57	25.75
976-HTS-HL-B	HTS-HL-B	Heatspreader for Express-HL w/ through hole standoffs for top mounting	34.80	33.76
976-HTS-HR-B	HTS-HR-B	Express-HR Heatspreader w/ threaded standoffs	31.98	29.98
976-HTS-HRR-BTF	HTS-HRR-BTF	Express-HRR Heatspreader w/ through hole standoffs for top mounting	33.60	31.68
976-HTS-NXTC-B	HTS-nXTC-B	NanoX-TC Heatspreader w/ threaded standoffs for bottom mounting	29.42	28.24
976-HTS-NXTCR-B	HTS-nXTCR-B	NanoX-TCR Heat Spreader	27.63	25.90
976-LEC-BT-HS	LEC-BT-HS	Heatspreader for LEC-BT	21.33	20.75
976-LEC-BTS-HS	LEC-BTS-HS	Heatspreader for LEC-BTS	22.59	21.88
976-THS-HL-BL	THS-HL-BL	Low profile heatsink for Express-HL w/ threaded standoffs for bottom mounting	38.50	36.99
976-THS-NXTC-BT	THS-nXTC-BT	Multi-directional heatsink for nanoX-TC	30.45	29.54
976-THSH-HL-BL	THSH-HL-BL	High profile heatsink for Express-HL w/ threaded standoffs for bottom mounting	48.13	46.22
976-CM-720-TM-AL	CM-720-TM-AL	CM 721 Aluminum Passive Heatsink	56.25	53.75
976-CM730-TM-AL	CM730-TM-AL	CM 730 Aluminum Passive Heatsink	56.38	54.70
976-CM-740-TM-AL	CM-740-TM-AL	CM 740 Aluminum Passive Heatsink	58.00	56.28
976-CM-740-X-01	CM-740-X-01	CM 740 Cable Set	86.40	83.83
976-RB-740-X-01	RB-740-X-01	CM 740 Cable Set for ReadyBoard	95.85	92.99
976-CM-745-TM-CU	CM-745-TM-Cu	CM 745 Copper Passive Heatsink	75.32	74.30
976-CM-745-TM-FAN	CM-745-TM-FAN	CM 745 Aluminum Active Heatsink	85.05	82.53
976-CM-720-X-01	CM-720-X-01	CM 721 Cable Set	90.58	87.53
976-CM-745-X-01	CM-745-X-01	CM 745 Cable Set	74.32	72.29
976-CM-920-TM-AL	CM-920-TM-AL	CM 920 Aluminum Heatspreader	79.24	78.11
976-CM-920-X-01	CM-920-X-01	CM 920 Cable Set	71.25	-
976-THSF-HL-BL	THSF-HL-BL	High profile heatsink w/ Fan for Express-HL w/ threaded standoffs for bottom mounting	67.50	64.85
976-CM1-BT1-TM-10	CM1-BT1-TM-10	Passive LP Heatsink Core Module CMx-BTx	42.51	41.20
976-CM1-BT1-X-10	CM1-BT1-X-10	Cable Kit for Core Module CMx-BTx	115.58	112.01

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MOUSER ELECTRONICS

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ADVANTECH Embedded Modules

RoHS Compliant. **This page of product is RoHS compliant.**

UNMANAGED INDUSTRIAL ETHERNET SWITCHES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Ports	Transmission Distance (m)	Speed (Mbps)	Power Consumption (W)	Connector	LAN	Operating Temp. (°C)	Price Each 1	10	25
923-EKI-3525-AE	EKI-3525-AE	5	100	100	2.4	5xRJ45, 6-pin Removable Screw Terminal	10/100Base-T (X)	-10 to +60	80.06	76.94	75.47
923-EKI-2525-AE	EKI-2525-AE	5	100	100	3	5xRJ45, 6-pin Removable Screw Terminal	10/100Base-T (X)	-10 to +65	90.20	86.68	85.03
923-EKI-2525I-AE	EKI-2525I-AE	5	100	100	3	5xRJ45, 6-pin Removable Screw Terminal	10/100Base-T (X)	-40 to 75	167.23	160.71	157.64
923-EKI-3725-AE	EKI-3725-AE	5	100	1000	2.7	5xRJ45, 6-pin Removable Screw Terminal	10/100/1000Base-T(X)	-10 to +60	201.68	193.83	190.12
923-EKI-2725-BE	EKI-2725-BE	5	100	1000	4.6	5xRJ45, 6-pin Removable Screw Terminal	100Base-TX, 10/1000Base-T	-10 to +60	222.97	214.28	210.19
923-EKI-3528-AE	EKI-3528-AE	8	100	100	2.5	8xRJ45, 6-pin Removable Screw Terminal	10/100Base-T (X)	-10 to +60	130.74	125.64	123.24
923-EKI-2528-AE	EKI-2528-AE	8	100	100	5	8xRJ45, 6-pin Removable Screw Terminal	10/100Base-T (X)	-10 to +65	146.95	141.23	138.53
923-EKI-2528PAI-AE	EKI-2528PAI-AE	8	100	100	65	8xRJ45, 6-pin Removable Screw Terminal	10/100Base-T (X)	-40 to +75	495.00	475.96	464.06
923-EKI-3728-AE	EKI-3728-AE	8	100	1000	4.5	8xRJ45, 6-pin Removable Screw Terminal	10/100/1000Base-T(X)	-10 to +60	299.00	287.50	280.31
923-EKI-2728-BE	EKI-2728-BE	8	100	1000	4.6	8xRJ45, 6-pin Removable Screw Terminal	100Base-TX, 10/1000Base-T	-10 to +60	345.00	331.73	323.43
923-EKI-7629C-AE	EKI-7629C-AE	10	100	1000	6.5	8xRJ45, 2xRJ45/SFP, 6-pin Removable Screw Terminal	100Base-TX, 10/1000Base-T, Optional 100Base-FX, 1000Base-SX/LX/LHX/XD/ZX/EZX	-10 to +60	350.00	336.53	328.12
923-EKI-7626C-AE	EKI-7626C-AE	18	100	1000	6.5	16xRJ45, 2xRJ45/SFP, 6-pin Removable Screw Terminal	100Base-TX, 10/1000Base-T, Optional 100Base-FX, 1000Base-SX/LX/XD/ZX/EZX	-10 to +60	565.00	543.26	529.68
923-ADAM-6520-BE	ADAM-6520-BE	5	100	100	2.4	5xRJ-45, 2-pin Removable Screw Terminal	10/100Base-TX	-10 to +70	126.68	121.75	119.42
923-ADAM-6520I-AE	ADAM-6520I-AE	5	100	100	2.4	5xRJ-45, 2-pin Removable Screw Terminal	10/100Base-TX	-40 to +85	197.63	189.93	186.30
923-ADAM-6520L-AE	ADAM-6520L-AE	5	100	100	3	5xRJ-45, 2-pin Removable Screw Terminal	10/100Base-TX	0 to +60	106.41	102.27	100.31
923-ADAM-6521-BE	ADAM-6521-BE	5	100	100	3	4xRJ-45, 1xSC Type Fiber Connector	10/100Base-TX, 100Base-FX	-10 to +65	253.37	243.50	238.85
923-ADAM-6521S-AE	ADAM-6521S-AE	5	100	100	4	4xRJ-45, 1xSC Type Fiber Connector	10/100Base-TX, 100Base-FX	-10 to +65	325.00	312.50	304.68

MANAGED REDUNDANT INDUSTRIAL ETHERNET SWITCHES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Ports	Transmission Distance (m)	Speed (Mbps)	Power Consumption (W)	Connector	LAN	Operating Temp. (°C)	Price Each 1	10	25
923-EKI-7554MI-AE	EKI-7554MI-AE	6	100	100	7.7	4xRJ45, 2xSC Type Fiber Optic Connectors	10/100Base-T (X), 100Base-FX	-40 to +75	981.90	944.62	927.01
923-EKI-7554SI-AE	EKI-7554SI-AE	6	100	100	7.7	4xRJ45, 2xSC Type Fiber Optic Connectors	10/100Base-T (X), 100Base-FX	-40 to +75	1310.06	1260.93	1245.37
923-EKI-7654C-AE	EKI-7654C-AE	6	100	1000	10.7	4xRJ45, 2xRJ45/SFP combo ports 6-pin Removable Screw Terminal	100Base-TX, 10/1000Base-T, Optional 100Base-FX, 1000Base-SX/LX/LHX/XD/ZX/EZX	-10 to +60	685.85	659.81	647.51
923-EKI-7758F-AE	EKI-7758F-AE	8	100	1000	17	4xRJ45, 4xSFP, 6-pin Removable Screw Terminal	100Base-T (X), 10/1000Base-T, Optional 100Base-FX, 1000Base-SX/LX/LHX/XD/ZX/EZX	-10 to +60	1080.59	1039.55	1020.18
923-EKI-7559MI-AE	EKI-7559MI-AE	10	100	100	8.4	8xRJ45 ports, 2xSC Type Fiber Optic Connectors	10/100Base-T (X), 100Base-FX	-40 to +75	1208.88	1162.97	1141.30
923-EKI-7559SI-AE	EKI-7559SI-AE	10	100	100	8.4	8xRJ45 ports, 2xSC Type Fiber Optic Connectors	10/100Base-T (X), 100Base-FX	-40 to +75	1582.79	1523.43	1504.63
923-EKI-7659C-AE	EKI-7659C-AE	10	100	1000	10.7	8xRJ45, 2xRJ45/SFP, 6-pin Removable Screw Terminal	10/100/1000Base-T (X), Optional 100Base-FX, 1000Base-SX/LX/XD/ZX/EZX	-10 to +60	937.50	901.89	885.09
923-EKI-7657C-AE	EKI-7657C-AE	10	100	1000	10.7	7xRJ45, 3xRJ45/SFP combo ports 1x6-pin Removable Terminal	10/100/1000Base-T (X), Optional 100Base-FX, 1000Base-SX/LX/XD/ZX/EZX	-10 to +60	1050.98	1011.07	992.23
923-EKI-7659C-AE	EKI-7659C-AE	10	100	1000	10.7	8xRJ45, 2xRJ45/SFP combo ports 1x6-pin Removable Screw Terminal	10/100/1000Base-T (X), Optional 100Base-FX, 1000Base-SX/LX/XD/ZX/EZX	-10 to +60	937.50	901.89	885.09
923-EKI-7659CI-AE	EKI-7659CI-AE	10	100	1000	10.7	8xRJ45, 2xRJ45/SFP combo ports 1x6-pin Removable Screw Terminal	10/100/1000Base-T (X), Optional 100Base-FX, 1000Base-SX/LX/XD/ZX/EZX	-40 to +75	1134.86	1091.77	1071.42
923-EKI-7659CPI-AE	EKI-7659CPI-AE	10	100	1000	15.4	8xRJ45, 2xRJ45/SFP combo ports 1x6-pin Removable Screw Terminal	10/100/1000Base-T (X), Optional 100Base-FX, 1000Base-SX/LX/XD/ZX/EZX	-40 to +75	1485.39	1429.68	1412.03
923-EKI-7556MI-AE	EKI-7556MI-AE	18	100	100	10.75	16xRJ45, 2xSC Type Fiber, 6-pin Removable Screw Terminal	10/100Base-TX, 100Base-FX	-40 to +75	2079.54	2001.56	1976.85
923-EKI-7656C-AE	EKI-7656C-AE	18	100	1000	10.7	16xRJ45, 2xRJ45/SFP, 6-pin Removable Screw Terminal	10/100/1000Base-T (X), Optional 100Base-FX, 1000Base-SX/LX/XD/ZX/EZX	-10 to +60	1607.14	1546.87	1527.77
923-EKI-7656CI-AE	EKI-7656CI-AE	18	100	1000	10.7	16xRJ45, 2xRJ45/SFP, 6-pin Removable Screw Terminal	10/100/1000Base-T (X), Optional 100Base-FX, 1000Base-SX/LX/XD/ZX/EZX	-40 to +75	1899.35	1828.12	1805.55

ETHERNET TO FIBER OPTIC CONVERTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Ports	Transmission Distance (m)	Speed (Mbps)	Power Consumption (W)	Connector	LAN	Operating Temp. (°C)	Price Each 1	10	25
Multi Mode											
923-ADAM-6541-AE	ADAM-6541-AE	1	100	100	3	1xRJ-45, 1xSC Type Fiber Connector	10/100Base-T (X), 100Base-FX	0 to +60	167.23	160.71	157.64
923-EKI-2541M-AE	EKI-2541M-AE	2	100	100	2.7	1xRJ-45, 1xSC Type Fiber Connector	10/100Base-T (X), 100Base-FX	-10 to +60	177.36	170.45	167.19
923-EKI-3541M-AE	EKI-3541M-AE	2	100	100	2.4	1xRJ-45, 1xSC Type Fiber Connector	10/100Base-T (X), 100Base-FX	-10 to +60	155.06	149.02	146.17
Single Mode											
923-EKI-3541S-AE	EKI-3541S-AE	2	100	100	2.4	1xRJ-45, 1xSC Type Fiber Connector	10/100Base-T (X), 100Base-FX	-10 to +60	212.83	204.54	200.63

SEMI-INDUSTRIAL MOTHERBOARDS

Mini-ITX Motherboards

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	CPU	Chipset	Memory (GB)	Freq. (GHz)	Memory Type	Expansion	Price Each 1	10	25
923-SIMBM02-N2600A1E	SIMB-M02-N2600A1E	Intel Atom N2600	NM10	2	1.6	DDR3	6xCOM, 2xSATA II, 7xUSB 2.0, 1xVGA, 1xHDMI	194.59	187.01	183.43
923-SIMBM22-2G2S0A1E	SIMB-M22-2G2S0A1E	AMD Fusion T40R	A55E	4	1	DDR3	4xCOM, 5xSATA III, 8xUSB 2.0, 1xVGA, 1xHDMI	185.13	177.92	174.52
923-SIMBM01-1VGS8A1E	SIMB-M01-1VGS8A1E	Intel Atom D525	NM10	4	1.8	DDR3	2xCOM, 2xSATA II, 8xUSB 2.0, 1xVGA, 1xHDMI	185.13	177.92	174.52
923-SIMBM02-D2500A1E	SIMB-M02-D2500A1E	Intel Atom D2550	NM10	4	1.86	DDR3	6xCOM, 2xSATA II, 7xUSB 2.0, 1xVGA, 1xHDMI	190.54	183.11	179.61
923-SIMBM21-7G200A1E	SIMB-M21-7G200A1E	Intel Core i7/i5/i3 Celeron Mobile	HM65	16	2.5	DDR3	4xCOM, 3xSATA II, 2xSATA III, 10xUSB 2.0, 1xVGA, 1xHDMI	259.45	249.35	244.58
Chassis							Description			
923-ARK-6610-00XBE	ARK-6610-00XBE	250 x 156 x 253mm, Black, 1xExp. Slot & 1xSlim Optical Drive Bay, w/o PS, 2xUSB, 5xCOM, 1x3.5" Internal						68.91	66.23	64.96

MicroATX Motherboard

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	CPU	Chipset	Memory (GB)	Freq. (GHz)	Memory Type	Expansion	Price Each 1	10	25
923-SIMBU01-6VG00A1E	SIMB-U01-6VG00A1E	Intel Core 2 Celeron	Q45+ICH10DO	8	3	DDR2	2xCOM, 12xUSB 2.0, 6xSATA II, 16-bit GPIO, 1xVGA	194.59	187.01	183.43

ADVANTECH Embedded Modules

RoHS Compliant **This page of product is RoHS compliant.**

Enabling an Intelligent Planet

INDUSTRIAL MOTHERBOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	CPU	Chipset	Memory (GB)	Freq. (GHz)	Memory Type	Form Factor	Expansion	Price Each		
									1	10	25
923-AIMB-212N-S6A1E	AIMB-212N-S6A1E	Intel Atom N450	ICH8M	2	1.6	DDR2, L2 Cache	Mini-ITX	1 PCI and 1 Mini-PCIe, 6 serial ports, 8 USB, and CF	260.81	250.64	245.86
923-AIMB-212D-S6A1E	AIMB-212D-S6A1E	Intel Atom D510	ICH8M	2	1.66	DDR2, L2 Cache	Mini-ITX	1 PCI and 1 Mini-PCIe, 6 serial ports, 8 USB, and CF	273.33	262.82	256.25
923-AIMB-214U-S6A1E	AIMB-214U-S6A1E	Intel Atom N2600	NM10	4	1.6	DDR3, L2 Cache	Mini-ITX	1 PCI and 1 Mini-PCIe, 6 serial ports, 6 USB, and CFast	206.75	198.70	194.90
923-AIMB-213N-S6A1E	AIMB-213N-S6A1E	Intel Atom N455	ICH8M	4	1.66	DDR3, L2 Cache	Mini-ITX	1 PCI and 1 Mini-PCIe, 6 serial ports, 8 USB, and CF	282.66	271.79	265.00
923-AIMB-213D-S6A1E	AIMB-213D-S6A1E	Intel Atom D525	ICH8M	4	1.8	DDR3, L2 Cache	Mini-ITX	1 PCI and 1 Mini-PCIe, 6 serial ports, 8 USB, and CF	304.00	292.30	285.00
923-AIMB-214E-S6A1E	AIMB-214E-S6A1E	Intel Atom D2550	NM10	4	1.86	DDR3, L2 Cache	Mini-ITX	1 PCI and 1 Mini-PCIe, 6 serial ports, 6 USB, and CFast	210.81	202.59	198.72
923-AIMB-258G2-00A1E	AIMB-258G2-00A1E	Intel Core 2 Duo/ Celeron	GM45	4	2.53	DDR3, L2 Cache	Mini-ITX	PCIe x16, 4 serial ports, 8 USB	345.33	332.05	323.75
923-AIMB-215D-S6A1E	AIMB-215D-S6A1E	Intel Celeron J1900	-	8	2	DDR3L, L2 Cache	Mini-ITX	1 PCIE x1 and 2 mini-PCIE, 6 COMs, 9 USB 2.0, and 1 USB 3.0	264.86	254.54	249.68
923-AIMB-272G2-00A1E	AIMB-272G2-00A1E	Intel Core i3/i5/i7/ Celeron	QM67	8	2.5	DDR3, L2 Cache	Mini-ITX	PCIe x16 (Gen 2) and mini PCIe, 4 serial ports, 8 USB	336.00	323.07	315.00
923-AIMB-273G2-00A1E	AIMB-273G2-00A1E	Intel Core i3/i5/i7/ Celeron	QM77	16	2.7	DDR3, L3 Cache	Mini-ITX	PCIe x16 (Gen 3) and mini PCIe, 2 serial ports, 4 USB, CFast	330.66	317.94	310.00
923-AIMB-769VG-00A1E	AIMB-769VG-00A1E	Intel Core 2 Duo/ Quad/Pentium/ Celeron	G41	8	3.16	DDR3, L2 Cache	ATX	PCIe x16, PCIe x1, 2 serial ports, 4 USB 2.0	259.45	249.35	244.58
923-AIMB-784G2-00A1E	AIMB-784G2-00A1E	Intel Core i3/i5/i7	Q87	32	3.1	DDR3, L3 Cache	ATX	PCIe x16, PCIe x4, PCIe x1, 2 USB 2.0	360.00	346.15	337.00
923-AIMB781QG2-00A1E	AIMB-781QG2-00A1E	Intel Core i3/i5/i7/ Pentium	Q67	32	3.4	DDR3, L3 Cache	ATX	PCIe x16, PCIe x4, PCIe x1, 2 serial ports, 10 USB 2.0	349.33	335.89	327.50
923-AIMB781QVG-00A1E	AIMB-781QVG-00A1E	Intel Core i3/i5/i7/ Pentium	B65	32	3.4	DDR3, L3 Cache	ATX	PCIe x16, PCIe x4, PCIe x1, 2 serial ports, 8 USB 2.0	308.00	296.15	288.75
923-AIMB782QG2-00A1E	AIMB-782QG2-00A1E	Intel Core i3/i5/i7	Q77	32	3.4	DDR3, L3 Cache	ATX	PCIe x16, PCIe x4, PCIe x1, 2 serial ports, 2 USB 3.0, 2 USB 2.0	349.33	335.89	327.50
923-AIMB-501G2-KSA1E	AIMB-501G2-KSA1E	Intel Core i3/i5/i7/ Pentium/Celeron	H61 PCH	16	3.4	DDR3, L3 Cache	Macro-ATX	PCIe x16, 10 serial ports, 10 USB 2.0 or 2 USB 3.0	231.08	222.07	217.83
923-AIMB580QG2-00A1E	AIMB-580QG2-00A1E	Intel Core i3/i5/i7/ Xeon/Pentium	Q57 PCH	16	3.3	DDR3, L3 Cache	Micro-ATX	PCIe x16, PCIe x4, 4 serial ports, 10 USB 2.0	334.66	321.79	313.75
923-AIMB580WG2-00A1E	AIMB-580WG2-00A1E	Intel Core i3/i5/i7/ Xeon/Pentium	3450 PCH	16	3.3	DDR3, L3 Cache	Micro-ATX	PCIe x16, PCIe x4, 4 serial ports, 10 USB 2.0	345.33	332.05	323.75
923-AIMB581QG2-00A1E	AIMB-581QG2-00A1E	Intel Core i3/i5/i7/ Pentium/Celeron	Q67 PCH	16	3.4	DDR3, L3 Cache	Micro-ATX	PCIe x16, PCIe x4, 6 serial ports, 2 USB 3.0, 10 USB 2.0	322.66	310.25	302.50
923-AIMB581WG2-00A1E	AIMB-581WG2-00A1E	Intel Core i3/i5/i7/ Pentium/Celeron	C206	16	3.4	DDR3, L3 Cache	Micro-ATX	PCIe x16, PCIe x4, 6 serial ports, 2 USB 3.0, 2 USB 2.0	358.66	344.87	336.25
923-AIMB582WG2-00A1E	AIMB-582WG2-00A1E	Intel Core i3/i5/i7/ Pentium/Celeron/ Xeon	C216	32	3.5	DDR3, L3 Cache	Micro-ATX	PCIe x16, PCIe x4, 6 serial ports, 4 USB 3.0, 8 USB 2.0	345.33	332.05	323.75

FANLESS EMBEDDED BOX PCS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	CPU	Chipset	Memory (GB)	Freq. (GHz)	Memory Type	Interface	Price Each		
								1	10	25
923-ARK-3403-D6A1E	ARK-3403-D6A1E	Intel Atom D525	Intel ICH8-M	2	1.8	DDR2, L2	1 x PCI, 1 x PCIe x 1, 2 x SATA 2.5" HDD bay, 16-bit DIO (optional), 2 x LAN, 6 x USB, 4 x COM, 2 extra COM (optional), VGA, 18-bit LVDS (optional), -10~55C	714.47	687.34	674.53
923-ARK-2120F-S8A1E	ARK-2120F-S8A1E	Intel Atom D2550	Intel NM10	4	1.86	DDR3, L2	1 x mini-PCIe w/ SIM holder, 1 x SATA2.5" HDD bay, 1 x CFast, 8-bit DIO, 5 x USB, 6 x COM, 3LAN, VGA, HDMI, LVDS, -20~60C	688.15	662.02	649.68
923-ARK-2120L-S8A1E	ARK-2120L-S8A1E	Intel Atom D2550	Intel NM10	4	1.86	DDR3, L2	1 x mini-PCIe w/ SIM holder, 1 x SATA2.5" HDD bay, 1 x CFast, 8-bit DIO, 6 x USB, 4 x COM, 2 x LAN, VGA, HDMI, -20~60C	546.66	525.64	512.50
923-ARK-1550-S9A1E	ARK-1550-S9A1E	Intel i5-4300U Dual Core	GT2-4400	8	1.33	DDR3L, L3	2 x LAN, 3 COM, 4 USBs, 8 bit GPIO, 1 x VGA, 1 x HDMI	1088.15	1046.83	1027.32
923-ARK-1550-S6A1E	ARK-1550-S6A1E	Intel Celeron 2980U Dual Core	HD	8	1.6	DDR3L, L3	2 x LAN, 3 COM, 4 USBs, 8 bit GPIO, 1 x VGA, 1 x HDMI	769.73	740.50	726.70
923-ARK-2150F-S7A1E	ARK-2150F-S7A1E	Intel Core i7-3517UE	QM77	8	1.7	DDR3, L2	VGA+HDMI+DVI-D, 4 x GbE, 3 x USB3.0, 4x xCOM, 1 x SATA 2.5" HDD, 1 x external SIM,isolated DIO, 19V DC in, -20~60C	1515.58	1458.75	1440.74
923-ARK-2150L-S7A1E	ARK-2150L-S7A1E	Intel Core i7-3517UE	QM77	8	1.7	DDR3, DDR3L, L2	1 x SATA 2.5" HDD bay, 1 x VGA/HDMI/DP, 2 x LAN, 2 x USB 3.0, 4 x COM ports, 8-bit DIO, 12V DC in, -20~60C	1353.24	1302.50	1286.42
923-ARK-3440F-U1A2E	ARK-3440F-U1A2E	Intel Core i3-330E	Intel QM57	8	2.13	DDR3, L2	1 x PCI , 1 x PCIe x 1, 2 x mini-PCIe, 2 x SATA 2.5" HDD bay, 16-bit DIO (optional), 2 x LAN, 6 x USB, 3 x COM, VGA (optional), DVI, HDMI 1.3, 24-bit LVDS (optional), -20~50C	1180.26	1135.44	1114.28
923-UTX-3115B-S6A1E	UTX-3115B-S6A1E	Intel Atom Dual Core E3826	E3826	16	1.46	DDR3	1xCOM, 1xHDMI, 1xmicro HDMI, 1xVGA, 1xUSB3.0, 2xUSB 2.0	390.66	375.64	366.25
Accessories							Description			
923-1757003659	1757003659						AC-to-DC Adapter, DC19 V/3.42A, 65W, with Phoenix Power Plug, 0 ~ 40° C for Home and Office Use	20.00	18.66	18.42
923-1760000837	1760000837						Smart Li-ion Battery Pack, 3S2P, 11.1V, 4400 mAh -LTC4006/L127	140.54	135.06	132.48

SERIAL CONVERTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Ports	Input Voltage (V)	Speed (kbps)	Power Consumption (Max.) (mA@5V)	EFT Protection (VDC)	ESD Protection (KV)	Connectors	Operating Temp. (°C)	Price Each		
										1	10	25
923-USB-4604B-AE	USB-4604B-AE	4	48	921.6	200	2500	16	1xUSB, 4xDB9	0 to +55	207.77	199.67	195.86
923-USB-4604BM-AE	USB-4604BM-AE	4	48	921.6	200	2500	16	1xUSB, 4xDB9	0 to +55	310.00	298.07	290.62

SERIAL DEVICE SERVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Dimensions: mm (W x H x D)	No. of Ports	Supply Voltage (V)		Data Rate (Mbps)	Power Consumption (W)	Interface	Operating Temp. (°C)	Price Each		
				Max.	Min.					1	10	25
923-ADAM-4572-CE	ADAM-4572-CE	70 x 130 x 30	1	30	10	0.9216	2.5	Ethernet, Serial	-10 to +60	294.00	282.69	275.62
923-EKI-1221-AE	EKI-1221-AE	140 x 95 x 37	1	48	12	0.9216	2	Ethernet, Serial	-10 to +60	360.00	346.15	337.50
923-EKI-1222-AE	EKI-1222-AE	140 x 95 x 37	2	48	12	0.9216	2.5	Ethernet, Serial	-10 to +60	410.00	394.23	384.37
923-EKI-1524-AE	EKI-1524-AE	140 x 95 x 55	4	48	12	0.9216	4	Ethernet, Serial	-10 to +60	445.00	427.88	417.18
923-ADAM-4571L-DE	ADAM-4571L-DE	70 x 130 x 30	1	30	10	0.9216	2.5	Ethernet, Serial	-10 to +60	121.62	116.88	114.65
923-EKI-1361-AE	EKI-1361-AE	28.5 x 120 x 85.3	1	48	12	0.9216	8	Ethernet, Serial	-30 to +65	369.00	354.80	345.93
923-EKI-1362-AE	EKI-1362-AE	28.5 x 120 x 85.3	2	48	12	0.9216	9	Ethernet, Serial	-30 to +65	485.00	466.34	454.68

ADVANTECH Embedded Modules

ADVANTECH
Enabling an Intelligent Planet

RoHS Compliant. **This page of product is RoHS compliant.**

COM EXPRESS® BASIC MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	CPU	LLC (MB)	Chipset	CPU TDP	DDR3 SODIMM	LVDS	VGA	Giga LAN	HDA	PEG x16	PCIe x1	USB 2.0	Operating Temp. (°C)	Price Each 1	10	25
923-SOM-5790FG-S5A1E	SOM-5790FG-S5A1E	Intel Core i7-2610UE 1.5GHz	4	QM67	-	Non-ECC	18/24-bit	Yes	1	Yes	1	5	8	0 to +60	1193.42	1148.10	1126.72
923-SOM-5890FG-U1A1E	SOM-5890FG-U1A1E	Intel Core i7-2715QE 2.1GHz	6	QM67	-	Non-ECC	18/24-bit	Yes	1	Yes	1	7	8	0 to +60	1226.31	1179.74	1157.76
923-SOM-5890FG-U5A1E	SOM-5890FG-U5A1E	Intel Core i5-2515E 2.5GHz	3	QM67	-	Non-ECC	18/24-bit	Yes	1	Yes	1	7	8	0 to +60	1022.36	983.54	965.21
923-SOM-5892FG-S6A1E	SOM-5892FG-S6A1E	Intel Core i3-3217UE 1.6GHz	3	QM77	17W	Non-ECC	18/24-bit	Yes	1	Yes	1	7	8	0 to +60	994.73	956.96	939.13
923-SOM-5892FG-S7A1E	SOM-5892FG-S7A1E	Intel Core i7-3517UE 1.7GHz	4	QM77	17W	Non-ECC	18/24-bit	Yes	1	Yes	1	7	8	0 to +60	1115.78	1073.41	1053.41
923-SOM-5892FG-U5A1E	SOM-5892FG-U5A1E	Intel Core i7-3555LE 2.5GHz	4	QM77	25W	Non-ECC	18/24-bit	Yes	1	Yes	1	7	8	0 to +60	1165.78	1121.51	1100.62
923-SOM-5894C3-U5A1E	SOM-5894C3-U5A1E	Intel Core i3-4100E 2.4GHz	3	QM87	37W	Non-ECC	18/24-bit	Yes	1	Yes	-	7	8	0 to +60	735.52	707.59	694.41
923-SOM-5894C5-S6A1E	SOM-5894C5-S6A1E	Intel Core i5-4402E 1.6GHz	3	QM87	25W	Non-ECC	18/24-bit	Yes	1	Yes	-	7	8	0 to +60	911.84	877.21	860.87
923-SOM-5894C7-U4A1E	SOM-5894C7-U4A1E	Intel Core i7-4700EQ 2.4GHz	6	QM87	47W	Non-ECC	18/24-bit	Yes	1	Yes	-	7	8	0 to +60	1094.73	1053.16	1033.54
923-SOM-5894C7-U4B1E	SOM-5894C7-U4B1E	Intel Core i7-4700EQ 2.4GHz	6	QM87	47W	ECC	18/24-bit	Yes	1	Yes	-	7	8	0 to +60	1094.73	1053.16	1033.54
923-SOM-6763D-S6A1E	SOM-6763D-S6A1E	Intel Atom D510 1.66GHz	1	ICH8M	-	Non-ECC	18-bit	Yes	1	Yes	-	5	8	0 to +60	358.66	344.87	336.25
923-SOM-6763D-S8B1E	SOM-6763D-S8B1E	Intel Atom D510 1.6GHz	1	ICH8M	13W	Non-ECC	24-bit	Yes	-	No	4	5	8	0 to +60	364.00	350.00	341.25
923-SOM-6765N-S6A1E	SOM-6765N-S6A1E	Intel Atom N2600	1	NM10	-	Non-ECC	18-bit	Yes	1	Yes	-	2	8	0 to +60	346.66	333.33	325.00
923-SOM-6894C3-S7A1E	SOM-6894C3-S7A1E	Intel i3-4010U 1.7GHz	3	4010U	15W	Non-ECC	18/24-bit	Yes	1	Yes	-	4	8	0 to +60	633.33	608.97	593.75
923-SOM-6894C7-S7A1E	SOM-6894C7-S7A1E	Intel i7-4650U 1.7GHz	4	4650U	15W	Non-ECC	18/24-bit	Yes	1	Yes	-	4	8	0 to +60	1115.78	1073.41	1053.41

Accessories		Description														
923-1960048820N001	1960048820N001	Semi-Cooler 125x95x33.5mm with 12V Fan												48.57	45.33	44.73
923-SOM-DB5800-00A2E	SOM-DB5800-00A2E	COM Express® Development Board A2 for Type 6												398.75	-	-
923-SOMDB5700G-00A2E	SOM-DB5700G-00A2E	Development Board for COM Express Basic/Compact Type 1/2 Pin-out Module with GLAN												293.75	-	-
923-SOMDB5700G-U0A2E	SOM-DB5700G-U0A2E	Development Board for COM-Ultra Express Type 1/2 Pin-out Module with GLAN												331.25	-	-
923-SOM-DB5800-U0A2E	SOM-DB5800-U0A2E	Development Board for COM Express® Type 6/10 Pin-out Modules												451.25	-	-
923-1960047669N001	1960047669N001	LGA1156 CPU cooler for 4U and wallmount chassis												40.00	37.33	36.84
923-1960047831N001	1960047831N001	LGA1156 CPU cooler for 2U and wallmount chassis												67.14	62.66	61.84
923-1960048815N001	1960048815N001	Semi-Heatsink 95 x 95 x 17 mm												30.00	28.00	27.63
923-1960048818N001	1960048818N001	Semi-Heatsink 125 x 95 x 17 mm												35.71	33.33	32.89
923-1960048819N001	1960048819N001	Semi-Cooler 95 x 95 x 33.5 mm with 12V fan												41.42	38.66	38.15
923-1960049408N001	1960049408N001	LGA1156 CPU cooler for 1U and wallmount chassis												58.57	54.66	53.94
923-1960050950N001	1960050950N001	Heatsink 84 x 55 x 34 mm												30.00	28.00	27.63
923-1960053065N001	1960053065N001	LGA1156 1U CPU blower for two expansion cards												55.71	52.00	51.31
923-1960053207N001	1960053207N001	LGA1156 1.5U CPU cooler for one expansion card												35.71	33.33	32.89

COM EXPRESS® MINI MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	CPU	L2 Cache	Chipset	Onboard Memory	Flash	LVDS	VGA	Giga LAN	HDA	SATA II	PCIe x1	USB 2.0	Operating Temp. (°C)	Price Each 1	10	25
923-SOM-7562F2-S6A1E	SOM-7562F2-S6A1E	Intel Atom N450	512 KB	ICH8M	512 MB	2 GB	18-bit	Yes	1	Yes	3	5	8	0 to +60	397.33	382.05	372.50
923-SOM-7562F2-S6B1E	SOM-7562F2-S6B1E	Intel Atom N455	512 KB	ICH8M	1 GB	SLC 2 GB	18-bit	Yes	-	No	3	5	8	0 to +60	381.33	366.66	357.50
923-SOM-7565M4-S6A2E	SOM-7565M4-S6A2E	Intel Atom N2600	1 MB	NM10	2 GB	MLC 4 GB	18-bit	-	1	Yes	1	3	8	0 to +60	392.00	376.92	367.50
923-SOM-7565M8-S8A2E	SOM-7565M8-S8A2E	Intel Atom N2800	1 MB	NM10	4 GB	MLC 8 GB	18-bit	-	1	Yes	1	3	8	0 to +60	409.33	393.59	383.75

COM EXPRESS® ETX/XTX MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	CPU	L2 Cache	Chipset	10/100 LAN	LVDS	VGA	SMBus	HDA	SATA II	PCIe x1	USB 2.0	Thermal Solution	Operating Temp. (°C)	Price Each 1	10	25
923-SOM-4463D-S8B1E	SOM-4463D-S8B1E	Intel Atom D525	1 MB	ICH8M	1	18/24-bit	Yes	1	Yes	2	4	4	Active	0 to +60	353.33	339.74	331.25

Accessories		Description															
923-SOM-DB4700-00A1E	SOM-DB4700-00A1E	ETX/XTX Development Board for ETX Rev.A1													278.75	-	-
923-1960012091T00S	1960012091T00S	SOM-4461 ETX/XTX 2nd-pc Heatsink													18.57	17.33	17.10

COM EXPRESS® QSEVEN MODULE BOARD

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Description	Price Each 1	10	25
923-SOMDB3500G01A1E	SOMDB3500G01A1E-ES	Development board for Qseven CPU Module series	330.66	317.94	310.00

RISC COMPUTING PLATFORM

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	CPU	Memory	Flash Memory	UART	LAN	USB Host	HDMI	MiniPCIe and SIM Slot	Software	Operating Temp. (°C)	Price Each 1	10	25
923-UBC-DS31CD-PAA1E	UBC-DS31CD-PAA1E	Freescale i.MX6 Dual 1GHz	1 GB	4 GB	1	1	1	1	1	U-Poster	0 to 40	280.00	269.23	262.50

SNMP SYSTEM MANAGER

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Description	Price Each
923-SNMP-1000-E1B1E	SNMP-1000-E1B1E	SNMP/HTTP Remote System Manager, module and PCI/ISA card	277.50

MOBILE DATA TERMINALS CTOS KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Description	Price Each
923-9668TREK30E	9668TREK30E	TREK-753R RevA0 GPS kit	83.78
923-9668TREK31E	9668TREK31E	TREK-753R RevA0 WiFi (Azurewave) kit	41.42
923-9668TREK32E	9668TREK32E	TREK-753R RevA0 HSDPA kit	260.81
923-9668TREK34E	9668TREK34E	TREK-753R RevA0 GPRS kit	112.16
923-9668TREK35E	9668TREK35E	TREK-753R RevA0 AC/DC power kit	44.28
923-9668TREK36E	9668TREK36E	TREK-753R RevA0 BT module kit	58.57
923-9668TREK37E	9668TREK37E	TREK-753 IP54 I/O housing cover	62.85

SWITCHING POWER SUPPLIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Form Factor	Wattage (W)	Input Range (V)	MTBF (hrs)	Dimensions (HxWxD)	Compatible Chassis	Price Each 1	10	25
923-PS8-300ATX-ZBE	PS8-300ATX-ZBE	-	300	100	100,000 @ 50C	150x140 mm		82.43	79.22	77.70
923-1757000007G	1757000007G	2U	300	240	98,000 @ 25C	70x100x200 mm	ACP-2010MB, ACP-2320MB	136.48	131.16	128.66
923-1757000105G	1757000105G	2U	400	240	100,000 @ 25C	70x100x215 mm	ACP-2010MB, ACP-2320MB	221.62	212.98	208.91
923-1757000209G	1757000209G	1U	150	240	84,000 @ 25C	40x100x190 mm	IPC-6806S	98.64	94.80	92.99
923-1757001847	1757001847	FLEX	270	240	100,000 @ 25C	40x81.5x150 mm	IPC-6025	129.73	124.67	122.29

ANTENNAS

For quantities greater than listed, call for quote.

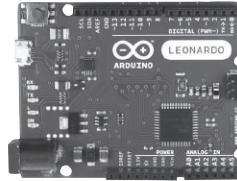| MOUSER STOCK NO.	Advantech Part No.	Description	Price Each 1	10	25
923-1750003222	1750003222	Dipole Antenna 2.4GHz, 5dBi, Screw	5.71	5.33	5.26
923-1750004681	1750004681	Internal Antenna 36x1.13mm	7.14	6.66	6.57
923-1750005865	1750005865	Dipole Antenna 1900MHz, 1dBi, Screw	2.85	2.66	2.63
923-1750005866	1750005866	Coaxial GSM/ GPS Cable, 100 mm	4.28	4.00	3.94

POWER CORDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Description	Price Each 1	10	25
923-1757002601	1757002601	PSE Certified Power Cord for Japan	34.28	32.00	31.57
923-1700001524	1700001524	125V, 3-Pin Power Cord 1.8mm for North America	5.71	5.33	5.26
923-1702002600	1702002600	125V, 3-Pin Power Cord 1.8mm for North America	5.71	5.33	5.26

ARDUINO Development Boards and TinkerKits

ARDUINO

Arduino provides open-source electronics prototyping platforms based on flexible, easy-to-use hardware and software. Arduino prototyping platforms are intended for artists, designers, hobbyists, and anyone interested in creating interactive objects or environments. Arduino's prototyping platforms can sense the environment by receiving input from a variety of sensors and can affect their surroundings by controlling lights, motors, and other actuators. Arduino projects can be stand-alone or they can communicate with software running on a computer.

PROTOTYPING PLATFORMS

Development Boards

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Microcontroller	Clock Speed (MHz)	Digital I/O Pins	Analog I/O Pins	Flash Memory (KB)	Description	Price Each
782-A000008	A000008	ATmega32u4	16	20	12	32	Arduino Yún Microcontroller Board	75.95
782-A000053	A000053	ATmega32u4	16	20	12	32	Arduino Micro AVR Microcontroller Board	22.49
782-A000057	A000057	ATmega32u4	16	20	12	32	Leonardo AVR Microcontroller Board	21.95
782-A000066	A000066	ATmega328P	16	14	6	32	Arduino Uno, Revision 3 Microcontroller Board	24.51
782-A000062	A000062	AT91SAM3X8E	84	54	12	512	Arduino Due Microcontroller Board	48.74
782-A000067	A000067	ATmega2560	16	54	16	256	Arduino Mega2560 Revision 3 Microcontroller Board	45.95
782-A000095	A000095	ATmega32u4	16	20	12	32	Arduino Esplora Microcontroller Board	54.45
782-E000017	E000017	ATmega32U4	8	14	6	16KB	LilyPad Microcontroller Board	21.95

Shields

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each
782-A000004-USB	A000004	Arduino USB Host Shield	29.95
782-A000006	A000006	Serial Interface for Arduino Board	6.76
782-A000007	A000007	Xbee with RF module	58.95
782-A000021	A000021	Xbee Shield without RF module	15.95
782-A000014	A000014	AVR USB/Serial Converter	15.95
782-A000015	A000015	AVR USB/Serial Converter Lite	14.95
782-A000059	A000059	USB 2 Serial Converter	81.14
782-A000058	A000058	Arduino WiFi Shield	89.95
782-A000060	A000060	Ethernet without PoE +USB 2 Serial	69.95
782-A000061	A000061	Ethernet with PoE +USB 2 Serial	89.95
782-A000064	A000064	Wireless Shield	19.95
782-A000065	A000065	Wireless Shield with SD	27.95
782-A000075	A000075	Ethernet Shield Mic-SD with PoE Rev. 3	56.00

Prototyping & Kits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each
782-T030081	T030081	Half Breadboard PCB Module	5.49
782-T030080	T030080	Full Breadboard PCB Module	7.36

Prototyping & Kits (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each
782-A000080	A000080	MEGA Protoshield Revision 3	4.95
782-A000081	A000081	MEGA Protoshield Revision 3 Kit	12.95
782-A000082	A000082	ProtoShield Rev3 with headers and 1 reset switch	4.95
782-A000032	A000032	Breadboard with Wire Kit	12.47
782-A000009	A000009	Plastic Enclosure for Arduino Board	12.95
782-A000010	A000010	Kit base	81.95
782-A000028	A000028	Workshop Base Level without Arduino Board	45.95
782-A000092	A000092	ATiny44 - Arduino ISP Programmer	14.50
782-K000007	K000007	Workshop Base Level with Uno Board	99.95

Accessories

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each
782-A000085	A000085	Header Strip, 2pcs, 14.5mm pitch, 8 ways	1.11
782-A000084	A000084	Header Strip, 2pcs, 14.5mm pitch, 6 ways	1.11
782-A000086	A000086	Header Strip, 2pcs, 14.5mm pitch, 10 ways	1.11
782-A000026	A000026	Header Strip 40 x 1	2.95
782-B000003	B000003	Open Software Book - prototyping w/ conductive fabric, resistive thread, soft buttons, etc.	18.95

TINKERKITS

TinkerKit simplifies electronic prototyping throughout a wide variety of sensors and actuators soldered on orange-colored boards you can hook up to the Arduino through the Sensor Shield and three-pin cables. A little signal amplifier helps to stabilize the signals running on the cables, ensuring clean analysis from the sensors even on long distances (1m-5m). TinkerKit has been conceived for school teaching and museum exhibitions, allowing the setup of interactive environments on the run, without using soldering iron or breadboard. TinkerKit is the result of years of award-winning experience in Interaction Design. For a long time it has been developed as an internal tool, improved bit by bit project by project, client by client.

Kits

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each
782-K000001	K000001	Base Kit	109.95
782-K000002	K000002	Starter Kit	139.95
782-K000003	K000003	Professional Kit	279.95
782-K000006	K000006	ADK Kit	334.95

Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each
782-X000002	X000002	PoE Module	14.17
782-T020060	T020060	Sensor Shield V.2	1.95
782-T020070	T020070	Mega Sensor Shield V.2	2.95
782-T000020	T000020	Accelerometer Module	26.95
782-T000030	T000030	Joystick Module	20.95
782-T000070	T000070	Hall Sensor Module	12.95
782-T000090	T000090	LDR Sensor Module	8.95
782-T000140	T000140	Potentiometer Module - Rotary	8.95
782-T000150	T000150	Potentiometer Module - Linear	9.95
782-T000180	T000180	Pushbutton Module	6.95
782-T000190	T000190	Tilt Sensor Module	8.95
782-T000200	T000200	Thermistor Module	8.95

Modules (Cont.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each
782-T000220	T000220	Touch Sensor Module	9.95
782-T010010	T010010	Relay Module	15.45
782-T010051	T010051	Servo Module - Analog, 42x20.5x39.5mm, 360° Rotation	15.56
782-T010050	T010050	MicroServo Module - Analog, 22.2x11.6x21.5mm, 180° Rotation	9.69
782-T000062	T000062	2 Axis Gyroscope Module, 4X Sensitivity	26.95
782-T000060	T000060	2 Axis Gyroscope Module, 1X Sensitivity	26.95
782-T010020	T010020	MOSFET Module	11.21
782-T010111	T010111	Blue LED Module 5mm	11.40
782-T010112	T010112	Green LED Module 5mm	6.95
782-T010113	T010113	Yellow LED Module 5mm	7.95
782-T010115	T010115	Blue LED Module 10mm	10.55
782-T010116	T010116	Green LED Module 10mm	6.95
782-T010118	T010118	Red LED Module 10mm	6.95

Accessories

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Arduino Part No.	Description	Price Each
782-T020060	T020060	Toolkit wire, 20cm	1.95
782-T020070	T020070	Toolkit wire, 50cm	2.95
782-T020080	T020080	Toolkit wire, 100cm	4.95

B&B ELECTRONICS Interface and Ethernet Modules

RoHS Compliant **This page of product is RoHS compliant.**

B&B Electronics Ethernet Data Communication Solutions offer a huge selection of rugged and reliable ethernet devices designed with your demanding applications and environments in mind. These solutions include ethernet switches, media converters, extenders and accessories. Typical applications include industrial automation, transportation, building automation, medical, health care and security.

INTERFACE MODULES

Converters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each 1	10
600-422PP9TB	422PP9TB	9 Pin 232/422 CN W/TB 2 Ch, Port Power Converter	81.37	75.00
600-4WSD9OTB	4WSD9OTB	9 Pin ISO CON W/TB & LED Isolated RS-485 Converter	119.00	110.00
600-485USBTB-2W-LS	485USBTB-2W-LS	USB To Serial 1 Port RS-485 2 Wire Mini Converter	96.55	89.00
600-USO9ML2	USO9ML2	USB To ISO RS-232 Converter w/DB9 M	139.95	129.00
600-USOPTL4-LS	USOPTL4-LS	USB To ISO 422/485 w/Plug Term Block Converter	129.10	119.00

Isolators/Repeaters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each 1	10
600-485OP	485OP	RS-422/485 to RS-485 Optical Isolated/Repeater	161.65	149.00
600-485OPDR	485OPDR	RS-485/422 Isolated/Repeater, DIN Mount	215.90	199.00

Modem Data Splitter

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each 1	10
600-9PMDS	9PMDS	9 Pin Modem RS-232 Data Splitter	67.20	64.00

ETHERNET MODULES

USB Server

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each 1	10
600-UE204	UE204	USB 2.0 Over Ethernet Server, 4 Port 10/100/1000	208.95	199.00

Serial Servers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each 1	10
600-VESP211	VESP211	1 Port Mini Ethernet to Serial Server RS232/422/485 US	161.65	149.00
600-VESP211-232	VESP211-232	1 Port Mini Ethernet to Serial Server, RS-232 US	139.95	129.00
600-VESP211-485	VESP211-485	1 Port Mini Ethernet to Serial Server RS-485 US	139.95	129.00
600-VESR901	VESR901	1 Port, DB9, DIN, CU ET Ethernet to Serial Server	215.90	199.00
600-MESR901	MESR901	1 Port, DIN ESS, CU Industrial MODBUS Ethernet to Serial Server	324.39	299.00

Media Converters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each 1	10
600-EIR-M-ST	EIR-M-ST	Media Converter 10/100 DIN Mount Multi Mode Standard	248.45	229.00
600-EIS-M-ST	EIS-M-ST	Media Converter 10/100 100FX Multi-Mode Standard	139.95	129.00

Extenders

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each 1	10
600-EIR-EXTEND	EIR-EXTEND	10/100 DIN Rail Ethernet Copper Extender	432.88	399.00
600-EIS-EXTEND	EIS-EXTEND	10/100 Ethernet Copper Extender	324.39	299.00

Wireless Ethernet Bridge

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each 1	10
600-GHOSTBRIDGE5	GHOSTBRIDGE5	Wireless Ethernet Bridge PR, 5 GHz Indoor/Outdoor	649.87	599.00

Surge Suppressor

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each 1	10
600-EIRSP1	EIRSP1	1 Port, Elinx™ Industrial Ethernet Surge Protector Single Stage	107.40	99.00

Switches

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each 1	10
600-ESW105	ESW105	Ultra Compact Industrial Ethernet Switches, Unmanaged, 10/100 5 Port	99.00	93.00
600-ESW108	ESW108	Ultra Compact Industrial Ethernet Switches, Unmanaged, 10/100 8 Port	172.50	159.00
600-ESW205	ESW205	Compact Industrial Ethernet Switch, Unmanaged, 5 Port 10/100	124.95	119.00
600-EIR408-T	EIR408-T	Industrial Ethernet Switch, Unmanaged, 8 Port 10/100/1000	270.14	249.00
600-EIRP305-T	EIRP305-T	Industrial Ethernet Switch, Unmanaged, 5 Port 10/100, w/4 PoE Injector Ports	270.14	249.00

WIRELESS MODEMS AND TRANSCEIVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each 1	10
Radio Modems				
600-ZP24D-250RM-SR	ZP24D-250RM-SR	Zlinx™ Wireless Radio Modem, 250K, 2.4GHz Industrial Grade 40 Mile Range	237.60	219.00
600-ZP9D-115RM-LR	ZP9D-115RM-LR	Zlinx™ Wireless Radio Modem, 115K, 900MHz Industrial Grade 40 Mile Range	432.88	399.00
600-ZXT24-RM	ZXT24-RM	Zlinx™ Wireless Xtreme Radio Modem, 2.4 GHz, Outdoor	432.88	399.00
600-ZXT9-RM	ZXT9-RM	Zlinx™ Wireless Xtreme Radio Modem, 900 MHz, Outdoor	595.62	549.00
Wireless Transceivers				
600-ZZ24D-NB-SR	ZZ24D-NB-SR	Zlinx™ Wireless MODBUS I/O 2.4GHz 100mW Up To 91m 4DI 4DO, Short Range	378.64	349.00
600-ZZ9D-NB-LR	ZZ9D-NB-LR	Zlinx™ Wireless MODBUS I/O 900MHz 1W Up To 914m 4DI 4DO, Long Range	649.87	599.00

ZIGBEE MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each 1	10
600-ZXT24-IO-222R2	ZXT24-IO-222R2	Zlinx™ Xtreme Wireless I/O, 2.4GHz, Analog, Outdoor	595.62	549.00
600-ZXT9-IO-222R2	ZXT9-IO-222R2	Zlinx™ Xtreme Wireless I/O, 900MHz, Analog, Outdoor	758.36	699.00

DEVELOPMENT TOOLS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	B&B Electronics Part No.	Description	Price Each
600-ZZ-PROG1-USB	ZZ-PROG1-USB	Zlinx™ USB Programming Module, Cable, Software CD	65.63
600-ZXT9-IOA-KIT	ZXT9-IOA-KIT	Zlinx™ Xtreme Wireless Point To Point Kit 900MHz	1311.63

USOPTL4-LS Shown

485OP Shown

9PMDS Shown

UE204 Shown

EIS-M-ST Shown

GHOSTBRIDGE5 Shown

EIR408-T Shown

ZP24D-250RM-SR Shown

Development Boards

RoHS Compliant **This page of product is RoHS compliant.**
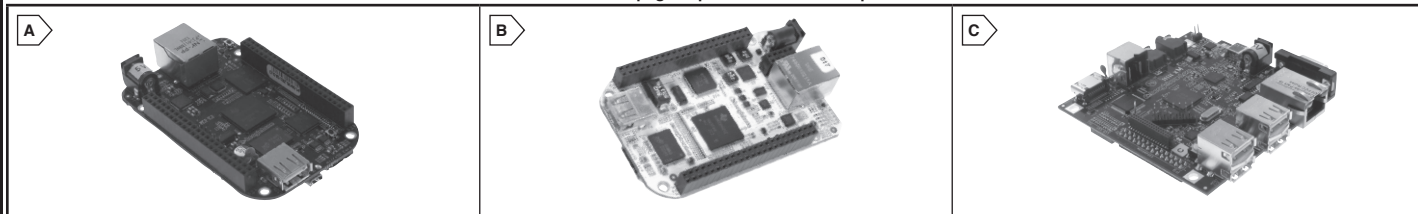
BEAGLEBOARD BY CIRCUITCO DEVELOPMENT PLATFORMS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	BeagleBoard Part No.	Fig.	Description	Price Each
595-BB-BBLK-000	BB-BBLK-000	A	BeagleBone Black ARM Cortex-A8 TI AM335x 1GHz SoC Platform	55.00
595-BEAGLEBONE-000	BB-BONE-000	B	BeagleBone ARM Cortex-A8 TI AM335x 700MHz+ SoC Platform	77.50
595-BEAGLEBOARD-XM	BEAGLEBOARD-XM	C	BeagleBoard xM ARM Cortex-A8 DM3730CBP 1GHz SoC Platform	152.44
BeagleBone Capes				
595-BB-BONE-SERL-03	BB-BONE-SERL-03	-	BeagleBone Cape - RS-232 Bus with DSUB-9	32.00
595-BB-BONE-BATT-01	BB-BONE-BATT-01	-	BeagleBone Cape Battery Board - 4xAA	45.00
595-BB-CAPE-DVI-D	BB-CAPE-DVI-D	-	BeagleBone Cape - DVI-D / HDMI Output	45.00
595-BB-BONE-NINJA-01	BB-BONE-NINJA-01	-	BeagleBone Cape - ATMEGA328 core/ UART1 interface	38.95
595-BB-BONE-MOTOR-01	BB-BONE-MOTOR-01	-	BeagleBone Cape -TI motor driver DRV8833/ NXT connectors	69.95
595-BB-BONE-MOTOR-02	BB-BONE-MOTOR-02	-	BeagleBone Cape -TI motor driver DRV8833/ Screw Blocks	82.50
595-BB-CAPE-BREAKOUT	BB-CAPE-BREAKOUT	-	BeagleBone Cape - Breakout Board	31.25
595-999-0004263	999-0004263	-	BeagleBoard Cape - Basic Proto Cape for Beagleboard Black	16.99
595-999-0004262	999-0004262	-	BeagleBoard Cape - Extended Proto Cape for Beagleboard Black	17.99
595-999-0004099	999-0004099	-	BeagleBoard Cape - MotoCape for Beagleboard Black	31.95
595-999-0003570	999-0003570	-	BeagleBoard Cape - Bacon Cape for Beagleboard Black	31.95
595-999-0004282	999-0004282	-	BeagleBoard Cape - Power Supply Cape for Beagleboard Black	23.99
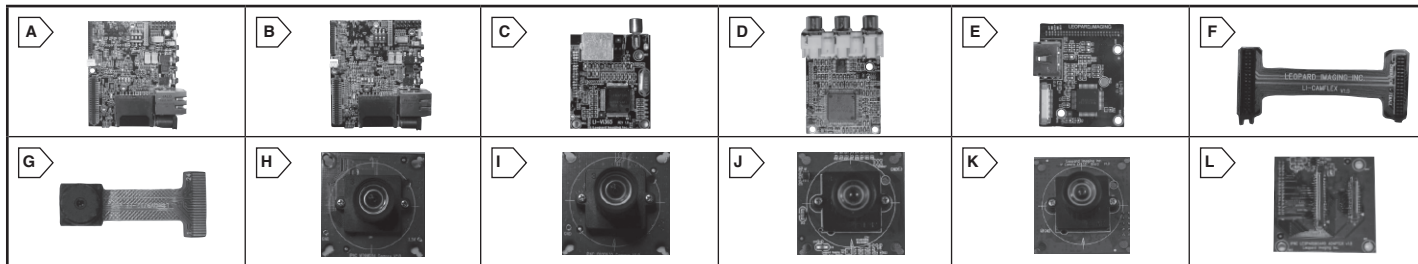
LEOPARD IMAGING DEVELOPMENT BOARDS

LeopardBoard 365 Features:
- ARM926EJ-S Core: 216, 270, 300MHz
- Enhanced Video Processing Subsystem with Face Detection module
- Video Processing Subsystem (VPSS)
- 10/100 Ethernet Port
- USB 2.0 (can be used to power the board or as expansion)
- JTAG and Serial ports for debugging

LeopardBoard 368 Features:
- Video Processing Subsystem
  - HW Face Detect Engine
  - Resize Engine from 1/16x to 8x
  - 16-Bit Parallel AFE (Analog Front-End) Interface Up to 120MHz
  - 4:2:2 (8-/16-bit) Interface
- 8-/16-bit YCC and Up to 24-Bit RGB888 Digital Output
- 432-MHz ARM926EJ-S Clock Rate
- Capable of 1080p 30fps H.264 video processing
- Pin-to-pin and software compatible with DM365

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each
Development Boards			
931-LI-TB01	A	LeopardBoard 365 - DaVinci TMS320DM365	112.88
931-LI-TB02	B	LeopardBoard 368 - DaVinci TMS320DM368	130.38
Daughter Boards			
931-LI-5M05CMAF	-	5M Auto Focusing CMOS (Aptina) Camera Module: Output YUV, RAW	89.95
931-LI-5M03	-	5M M12 Lens Camera Board	75.00
931-LI-5M03CS	-	5M MT9P031 Camera Board CS Mount without Lens	84.27
931-LI-VI365	C	HD Y/Pb/Pr Video Input Board	55.00
931-LI-HDI365	D	Component HD Video Input Board	73.33
931-LI-DVI1	E	DVI Video Output Board	65.00
931-LI-LBCMVGA	-	VGA Camera Board for LeopardBoard	29.00
931-LI-VM34LP	-	Global Shutter WVGA Camera Board - M12 Lens	73.03
931-LI-LBCM1M1	-	1.3M CMOS (Aptina) Camera Board	32.00
931-LI-LBCM2M1	-	2M CMOS (Aptina) Camera Board	35.00
931-LI-LBCM3M1	-	3M CMOS (Aptina) Camera Board	40.00
931-LI-LBCM5M1	-	5M CMOS (Aptina) Camera Board	45.00

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Description	Price Each
Accessories			
931-LI-PS5-01	-	+5 VDC Universal Power Supply	15.00
931-LI-CAMFLEX	F	Camera Board Extension Cable - 2"	37.33
931-LI-FLEX03	-	60mm 36-Pin 0.5mm Pitch Flex Cable	19.95
Video Module			
931-LI-OV9712-FF-65	G	OmniVision 720p Sensor Module for OV9712 sensor	29.21
Camera Modules for TI IPCamera			
931-LI-CAM-M034	H	Aptina MT9M034, 720p@30fps H.264, 1.2MP	105.60
931-LI-CAM-OV2715	I	OmniVision OV2715, 1080p@30fps H.264	105.60
931-LI-CAM-OV10633	I	OmniVision OV10633, 720p@30fps H.264	149.00
931-LI-CAM-IMX036	J	Sony iMX036, 1080p@30fps H.264, 3.27MP	184.30
931-LI-CAM-AR0331	K	High Dynamic Range camera	149.00
Adapter			
931-LI-VCAMADAPTER	L	Adapter for LI-CAM modules to LeopardBoard 36x, TI IPCamera	50.96

MINNOWBOARD BY CIRCUITCO DEVELOPMENT PLATFORM

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MinnowBoard Part No.	Description	Price Each
595-MINNOWMAX-DUAL	MINNOWBOARD-MAX-DUAL	MinnowBoard x86 Max Dual Core Intel® Atom™ Processor w/Intel® Architecture, 1.33GHz	145.95

PANDABOARD MOBILE DEVELOPMENT PLATFORM

Features:
- Core Logic: OMAP4 applications Processor
- Memory: 1GB DDR2 RAM
- Full Size SD/MMC card port
- Interface: (1) General Purpose Expansion Header (I2C, GPMC, USB, MMC, DSS, ETM)
- Camera Expansion Header
- Display Connectors: HDMI v1.3, DVI-D. LCD Expansion
- Audio Connectors: 3.5" In/Out, HDMI audio out
- Wireless Connectivity: 802.11b/g/n (WiLink™ 6.0)
- Debug options: JTAG, UART/RS-232, 1 GPIO button
- Graphics APIs: OpenGL ES v2.0, OpenGL ES v1.1, OpenVGv1.1, and EGL v1.3

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	PandaBoard Part No.	Description	Price Each
595-PANDABOARD	UEVM4430G-01-00-00	PandaBoard ARM Cortex-A9 MPCore 1GHz OMAP4430 SoC Platform	181.25
595-PANDABOARD-ES	UEVM4460G-02-01-00	PandaBoard ARM Cortex-A9 MPCore 1.2GHz OMAP4460 SoC Platform	184.95

Development Modules and Studio Software

RoHS Compliant. **This page of product is RoHS compliant.**

Bd Boundary Devices   **I.MX6 DEVELOPMENT BOARD**

Boundary Devices is excited to announce the availability of the BD-SL-i.MX6 board (formerly the SABRE Lite board), a low-cost development platform featuring the powerful i.MX6 Quad applications processor. Products based on the Freescale SABRE (Smart Application Blueprint for Rapid Engineering) Lite platform for i.MX6 applications processors enable cost-effective, rapid development of multimedia applications for Android® and Linux® operating systems.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Boundary Devices Part No.	Description	Price Each
564-NIT6Q-SOM	NIT6Q-SOM	i.MX6 Quad Core System-On-Module, 1GB of 64-bit DDR3, expandable up to 2GB	199.95
564-NIT6S-SOM	NIT6S-SOM	i.MX6 Single Core System-On-Module, 1GB of 64-bit DDR3, expandable up to 2GB	149.95
564-NITROGEN6_LITE	NITROGEN6_LITE	i.MX6 Single Core Development Board, 512 MB of 32-bit DDR3, expandable up to 1GB	164.95
564-NITROGEN6X	NITROGEN6X	i.MX6 Quad Core Development Board, 1GB of 64-bit DDR3, expandable up to 2GB	224.95
564-SABRELITE	SABRE Lite	i.MX6 Quad Core Development Board, 1GB of 64-bit DDR3	189.95
Accessories			
564-BD043RCR1	BD043RCR1	4.3" 480x272 TFT Display	55.00
564-MPCIETOPCIEDB	MPCIE TO PCI-E DB	Mini-PCI-E to PCI-E Daughter Board	55.00
564-NIT6X_10.1HANSTR	NIT6X_10.1HANNSTAR	10.1" 1024x768 PCAP LVDS Display with Multi-Touch	349.00
564-NIT6X_1024X600	NIT6X_1024x600	7" 1024x600 LVDS Display w/ Capacitive Multi-touch	245.95
564-NIT6X_5MP	NIT6X_5MP	OV5642-based 5MP Camera Module	84.95
564-NIT6X_800X480	NIT6X_800x480	7" 800x480 Display with 4-wire Resistive Touch	195.95
564-NIT6X_ANDROID	NIT6X_ANDROID	Android Button Board	33.95
564-NIT6X_ENC	NIT6X_ENC	Metal Enclosure for the Nitrogen6X Board	55.00
564-NIT6X_JTAG	NIT6X_JTAG	i.MX6 JTAG Adapter	57.95
564-NIT6X_LVDS_HANS	NIT6X_LVDS_HANDSTARR	LVDS Cable to interface to Freescale 10.1" Display	39.95
564-NIT6X_PCIE	NIT6X_PCIE	PCIE Daughter Board	54.95
564-NIT6X_SATA	NIT6X_SATA	SATA Cable	13.95
564-NIT6X-CARRIER	NIT6X-Carrier	Carrier Board for the Nitrogen6X System-On-Module	325.00
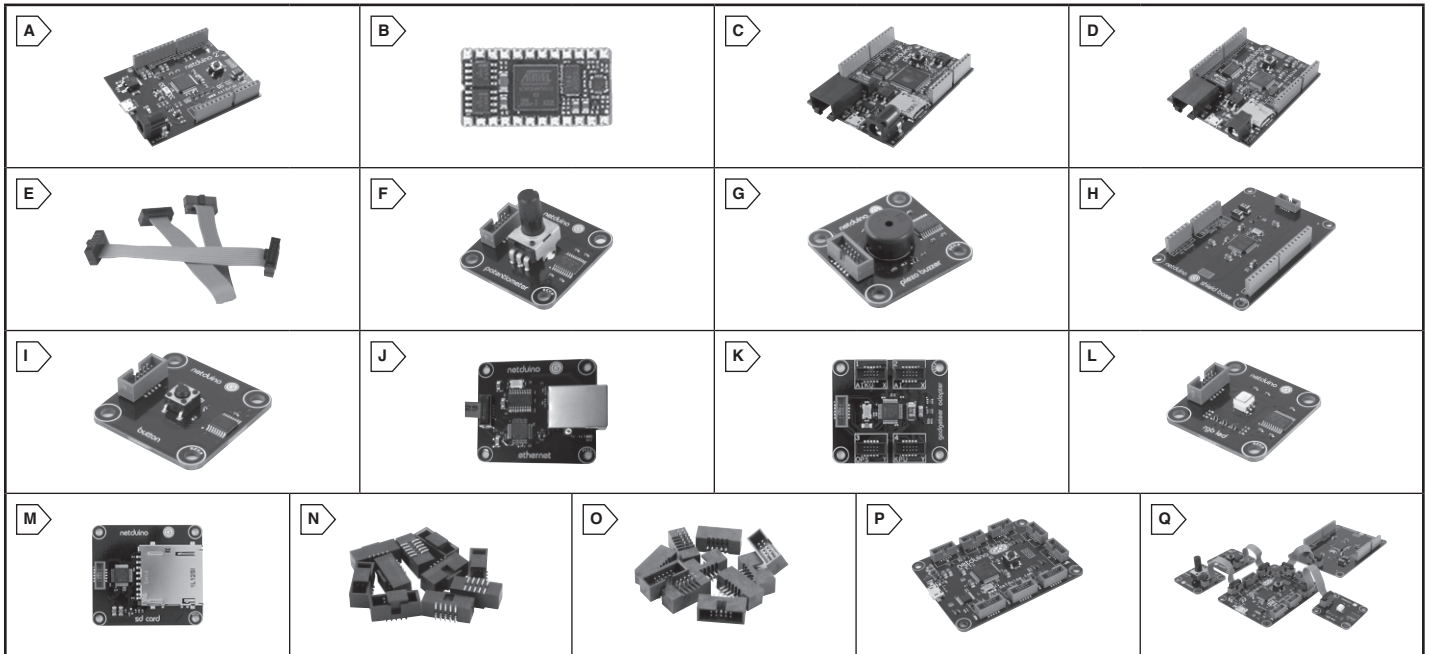
netduino DEVELOPMENT MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Netduino Part No.	Fig.	Description	Price Each
Boards				
977-NETDUINO2	NETDUINO2	A	Netduino 2 Development Board - STM32F2, 120MHz, 192KB, 60KB RAM, no ethernet	34.95
977-NETDUINOMINI	NETDUINOMINI	B	Netduino Mini Development Board - AT91SAM7X512, 48MHz, 152KB, 64KB RAM	29.95
977-NETDUINOPLUS	NETDUINOPLUS	C	Netduino Plus Development Board - AT91SAM7X512, 48MHz, 64KB, 42KB RAM	49.95
977-NETDUINOPLUS2	NETDUINOPLUS2	D	Netduino Plus 2 Development Board - STM32F4 168MHz, 384KB, 100+KB RAM, 10mbps ethernet networking	59.95
GoModules and Accessories				
977-GOCABLES10CM_5PK	GOCABLES10CM_5PK	E	5-pack of 10cm cables compatible with Netduino Go & Go bus devices	9.95
977-GOMOD-POTENT	GOMOD-POTENT	F	Measures knob position with 10-bit precision	7.95
977-GOMODPIEZOBUZZER	GOMODPIEZOBUZZER	G	Plays audio tones, use with NetduinoGo	7.95
977-GOMODSHIELDBASE	GOMODSHIELDBASE	H	Provides compatibility with many Arduino shields, also for other general purpose I/O needs	24.95
977-GOMODULEBUTTON	GOMODULEBUTTON	I	Provides push-button functionality	4.95
977-GOMODULEETHERNET	GOMODULEETHERNET	J	Provides rich network connectivity including sockets, FTP & HTTP @ 10mbps	29.95
977-GOMODULEGADGET	GOMODULEGADGET	K	I/O expansion module for Gadgeteer component system compatibility (Beta)	19.95
977-GOMODULERGBLED	GOMODULERGBLED	L	Color-mixing RGB LED module, supports 16 million color combinations	9.95
977-GOMODULESDCARD	GOMODULESDCARD	M	Supports MMC & SD cards, up to 2GB & some higher capacity cards	14.95
977-GOPORTHDR_SM10PK	GOPORTHDR_SM10PK	N	10-pack of 10-pin 0.05" pitch IDC black shrouded male headers, SMD removable caps for pick & place	9.95
977-GOPORTHDR_TH10PK	GOPORTHDR_TH10PK	O	10-pack of 10-pin 0.05" pitch IDC black shrouded male headers, through-hole (THT)	13.95
977-NETDUINOGO	NETDUINOGO	P	NetduinoGo mainboard - STM32F4, 168MHz, 384KB, 100+KB RAM, ethernet gobus module	49.95
977-STRKITNETDUINOGO	STRKITNETDUINOGO	Q	STM32F405RG 384KB, 168MHz Go Starter Kit	99.95

Adapters, Energy Harvesting Modules and Kits

Products may be RoHS compliant. Check mouser.com for RoHS status.

(intel) ADAPTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Intel Part No.	Description	Price Each 1	Price Each 10
Server				
607-X540T2	X540T2	Intel® X540-T2, Intel® X540, Dual Port, Rj-45 Copper, PCI Express 2.1, 5.0GT/s, x8 Lane	638.66	622.07
Desktop				
607-EXPI9301CTBLK	EXPI9301CTBLK	Intel® Gigabit CT, Intel® 82574L, Single Port, PCI Express 1.1, 2.5GT/s, x1 Lane	34.24	33.78
607-EXPI9301CT	EXPI9301CT	Intel® Gigabit CT, Intel® 82574L, Single Port, PCI Express 1.1, 2.5GT/s, x1 Lane	41.09	40.54
607-PWLA8391GT	PWLA8391GT	Intel® PRO/1000 GT, Intel® 82541PI, Single Port, Rj45 Copper, PCI 2.3 32-bit 33/66MHz	41.09	40.54
607-PWLA8391GTBLK	PWLA8391GTBLK	Intel® PRO/1000 GT, Intel® 82541PI, Single Port, Rj45 Copper, PCI 2.3 32-bit 33/66MHz	34.24	33.78
607-PWLA8391GTLBLK	PWLA8391GTLBLK	Intel® PRO/1000 GT, Intel® 82541PI, Single Port, Rj45 Copper, PCI 2.3 32-bit 33/66MHz	34.24	33.78
Cables				
607-XDACBL3M	XDACBL3M	For E10G41BFLR, E10G41BFSR, E10G42BFSR, E10G42BTDA, 9.84', 30AWG, Black, Male SFP+ to Male SFP+	97.26	95.94
607-XDACBL1M	XDACBL1M	For E10G41BFLR, E10G41BFSR, E10G42BFSR, E10G42BTDA, 3.28', Black, Male SFP+ to Male SFP+	68.49	67.56
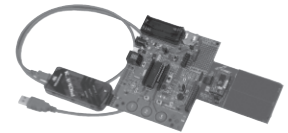
MICROCHIP XLP ENERGY HARVESTING KIT

The XLP 16-bit Energy Harvesting Development Kit is a true development platform for realizing energy harvesting applications. It is based on Microchip's PIC® MCUs with nanoWatt XLP Technology and Cymbet's EVAL-08 Solar Energy Harvester.

Included in the Evaluation Kit:
- Cymbet Eval-08 Solar Energy Harvesting Board and Cable
- XLP 16-bit Development Board
- PIC24F16KA102 Microcontroller
- PICkit 3 Programmer/Debugger
- USB Cables
- XLP 16-bit Energy Harvesting Development Kit user guide

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Fig.	Description	Microcontroller	Price Each
579-DV164133	DV164133	A	XLP 16-Bit Solar Energy Harvesting Kit	PIC24F16KA102	195.00
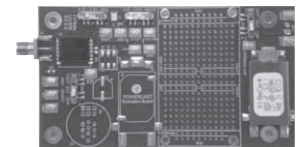
POWERHARVESTER® RECEIVERS AND POWERCASTER™ TRANSMITTERS

Powerharvester Receivers can harvest directed or ambient RF energy and convert it to DC power for remotely recharging batteries or battery-free devices.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Power Cast Part No.	Fig.	Description	Price Each
582-P1110	P1110	B	P1110 Powerharvester® Receiver	32.00
582-P1110-EVB	P1110-EVB	C	P1110 Evaluation Board	165.00
582-P2110-EVB	P2110-EVB	D	P2110 Evaluation Board	172.00
582-TX91501-3W-ID	TX91501-3W-ID	E	TX91501 Powercaster™ Transmitter - 3Watt	215.00
582-TX91501-1W-ID	TX91501-1W-ID	E	TX91501 Powercaster™ Transmitter - 1Watt	122.00

LIFETIME POWER® ENERGY HARVESTING DEVELOPMENT KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Power Cast Part No.	Fig.	Description	Price Each
582-P2110-EVAL-01	P2110-EVAL-01	F	Wireless Sensors - featuring PIC® MCU with nanoWatt XLP	1250.00

silex technology EMBEDDED WIRELESS MODULES

Silex offers both intelligent and radio-only embedded wireless modules to meet almost any wireless application. Their intelligent embedded wireless modules feature a complete TCP/IP networking stack plus the industry's most extensive wireless security, while their radio modules offer full 802.11a/b/g connectivity in mini PCI or SDIO form factors.

SX-10WG Features:
Designed specifically for embedded applications, the Silex SX-10WG is a Mini PCI radio module that provides superior features such as:
- FCC Limited Modular Approval for simplification of OEM FCC testing requirements
- Meets a wide range of global regulatory certifications/standards
- Includes antenna with cable (no need to source separate antenna) and supports diversity antenna configurations

RoHS Compliant

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silex Part No.	Description	Price Each 1	Price Each 10	Price Each 50
702-SX-10WG	SX-10WG-US-(GP)	MiniPCI Atheros 802.11b/g Radio Card, Includes Antenna and Cable	43.87	43.01	42.39
702-SX-SDCAN-2830-SP	SX-SDCAN-2830-SP	WiFi/802.11 Modules & Development Tools 802.11a/b/g/n SDIO Card Module	70.00	-	-

silex technology ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silex Part No.	Description	Price Each 1	Price Each 10	Price Each 50
702-108-00016-050	108-00016-050	2.4/5GHz External Antenna for SX-10WAG, SX-550, and SX-560	10.12	9.92	9.78
702-131-20110-050	131-20110-050	U.FL to RP-SMA 4.6 in Cable for 108-00016-050 External Antenna	14.85	14.55	14.34
702-131-20110-050	131-20110-050	U.FL to RP-SMA 4.6 in Cable for 108-00016-050 External Antenna	14.85	14.55	14.34

TEXAS INSTRUMENTS EZ430-RF2500-SEH DEVELOPMENT TOOL

The eZ430-RF2500 is a complete wireless development tool for the MSP430 and CC2500 that includes all the hardware and software required to develop an entire wireless project with the MSP430 in a convenient USB stick. The tool includes a USB-powered emulator to program and debug your application in-system and two 2.4-GHz wireless target boards featuring the highly integrated MSP430F2274 ultra-low-power MCU.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Description	Price Each
595-EZ430-RF2500	EZ430-RF2500	2.4GHZ MSP430 Wireless Development Tool	128.11

DIGI INTERNATIONAL Embedded Modules

Products may be RoHS compliant. Check mouser.com for RoHS status.

CONNECT ME® FAMILY WIRED AND WIRELESS EMBEDDED MODULES

The industry's first interchangeable secure wired and wireless embedded modules with plug-and-play functionality and comprehensive development tools make it easy to add embedded web-enabled wired and wireless network connectivity. Based on a unique common platform design approach, the Digi Connect® ME and Digi Connect® Wi-ME embedded modules offer complete "drop-in" integration. This allows you to build future-proof products based on a single design supporting secure wired 10/100Base-T and 802.11b wireless Ethernet connectivity. The family of Digi Connect® embedded modules makes all of this possible without the traditional complexities of hardware and software integration work, and at a fraction of the time and cost required to create custom solutions.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each
Digi Connect ME®				
860-DC-ME-01T-JT	DC-ME-01T-JT	A	Customizable module with JTAG interface (2M-byte Flash memory)	106.25
860-DC-ME4-01T-JT	DC-ME4-01T-JT	A	Customizable module with JTAG interface (4M-byte Flash Memory)	106.25
860-DC-ME-01T-C	DC-ME-01T-C	A	Module with 8MB SDRAM, 2MB Flash, customizable single pack	52.50
860-DC-ME-01T-S	DC-ME-01T-S	A	Module with 8MB SDRAM, 2MB Flash, Standard firmware; single pack	52.50
860-DC-ME-01T-S-10	DC-ME-01T-S-10	A	Module with 8MB SDRAM, 2MB Flash, Standard firmware, 10-pack	478.13
860-DC-ME4-01T-S	DC-ME4-01T-S	B	Module with 8MB SDRAM, 4MB Flash, Standard firmware; single pack	58.75
860-DC-ME4-01T-C	DC-ME4-01T-C	B	Module with 8MB SDRAM, 4MB Flash, Customizable; single pack	58.75
860-DC-ME4-01T-C-10	DC-ME4-01T-C-10	B	Module with 8MB SDRAM, 4MB Flash, Customizable, 10-pack	531.25
Digi Connect ME 9210				
860-DC-ME-Y401-JT	DC-ME-Y401-JT	C	9210 with 8MB SDRAM, 2MB Flash with JTAG connector	106.25
860-DC-ME-Y402-JT	DC-ME-Y402-JT	C	9210 with 8MB SDRAM, 4MB Flash with JTAG connector	106.25
860-DC-ME-Y401-C	DC-ME-Y401-C	C	9210 with 8MB SDRAM, 2MB Flash	49.00
860-DC-ME-Y402-C	DC-ME-Y402-C	C	9210 with 8MB SDRAM, 4MB Flash	52.00
860-DC-ME-Y402-LX	DC-ME-Y402-LX	C	9210 with 8MB SDRAM, 4MB Flash for Linux	52.00
860-DC-ME-9210-LX	DC-ME-9210-LX	C	9210 with Digi Embedded Linux	211.25

CONNECT WI-ME™

The Digi Connect Wi-ME (Wireless Micro Embedded) is a fully customizable and secure 802.11b wireless device server. It is based on the common platform design approach of the Digi Connect family of embedded products, which minimizes design risk and reduces time to market by allowing customers to easily accommodate both wired and wireless network functionality in a single future-proof product design.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each
860-DC-WME-01T-JT	DC-WME-01T-JT	D	Customizable module with JTAG interface	249.00
860-DC-WME-01T-C	DC-WME-01T-C	D	Module with 8MB SDRAM, 4MB Flash, Customizable	136.25
860-DC-WME-01T-S	DC-WME-01T-S	D	Module with 8MB SDRAM, 4MB Flash, Standard firmware; single pack	136.25

CONNECT EM™

The Digi Connect EM (Embedded Module) device server delivers true Web-enabled device networking that is easy and cost-effective to implement, while being powerful enough to meet future performance needs. Built on leading 32-bit ARM technology using the network-attached NetSilicon NS7520 microprocessor and featuring a wide variety of connectivity options, the Digi Connect EM provides the freedom and flexibility of complete custom product development.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each
860-DC-EM-02T-C	DC-EM-02T-C	E	Module with 8MB SDRAM, 4MB Flash, Customizable	85.00
860-DC-EM-02T-S	DC-EM-02T-S	E	Module with 8MB SDRAM, 4MB Flash, Standard firmware	85.00
860-DC-EM-02T-NC	DC-EM-02T-NC	E	Module with 8MB SDRAM, 4MB Flash, Customizable; no connector	85.00

CONNECT WI-EM™

The Digi Connect Wi-EM (Wireless Embedded Module) device server is a fully customizable and secure 802.11b wireless embedded module that provides integration flexibility in a variety of connection options.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each
860-DC-WEM-02T-S	DC-WEM-02T-S	F	Module with 8MB SDRAM, 4MB Flash,Standard firmware; single pack	148.75

CONNECT SP® MODULE

The Digi Connect SP (Single Port) device server is the ideal platform for your custom web-enabled and network-enabled embedded applications. Combining Digi and Net Silicon technology, it eliminates the hardware design effort and delivers a true device networking.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each
860-DC-SP-01-C	DC-SP-01-C	G	Adapter Customizable model	189.00

CONNECTCORE 9P 9215

The ConnectCore 9P 9215 module delivers a powerful, secure, and compact network-enabled 150MHz NS9215 processor solution with ARM9 core, a rich set of peripherals and unique interface flexibility. With leading features like an on-chip AES encryption engine, two independent and fully programmable flexible interface modules and Digi's patented dynamic power management options, it is the ideal solution for today's networked embedded applications. ConnectCore Wi-9P 9215 is the industry's first 802.11a/b/g embedded core module for secure wireless networking and integrated application processing. The ConnectCore Wi-9P 9215 is pre-certified for 802.11a/b/g networking by the FCC in North America and other regulatory organizations in Europe and Japan. The ConnectCore Wi-9P 9215 features two Flexible Interface Modules (FIMs) built into Digi's ARM9 microprocessor that allow customers to use application-specific interfaces such as Secure Digital, Controller Area Network (CAN), 1-Wire, additional UARTs and others.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each
Digi ConnectCore 9P 9215				
860-CC-9P-V502-C	CC-9P-V502-C	H	Module with 8MB SDRAM, 4MB Flash	69.00
860-CC-9P-V524-LX	CC-9P-V524-LX	H	Module with 32MB SDRAM, 16MB Flash, 25 pack For Linux only no NET+OS Support	99.00
Digi ConnectCore Wi-9P 9215				
860-CC-W9P-V502-C	CC-W9P-V502-C	I	Module with 8MB SDRAM, 4MB Flash	129.00

CONNECTCORE 9P 9360

Compact High-Performance ARM9 Core Module 32-bit NET+ARM core module combines performance, peripheral options and design integration flexibility with complete embedded software platform support.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Fig.	Description	Price Each
860-CC-9P-T225-Z1	CC-9P-T225-Z1	J	Module 32MB SDRAM, 32MB Flash, 177MHz Replaces FS-3031	169.00
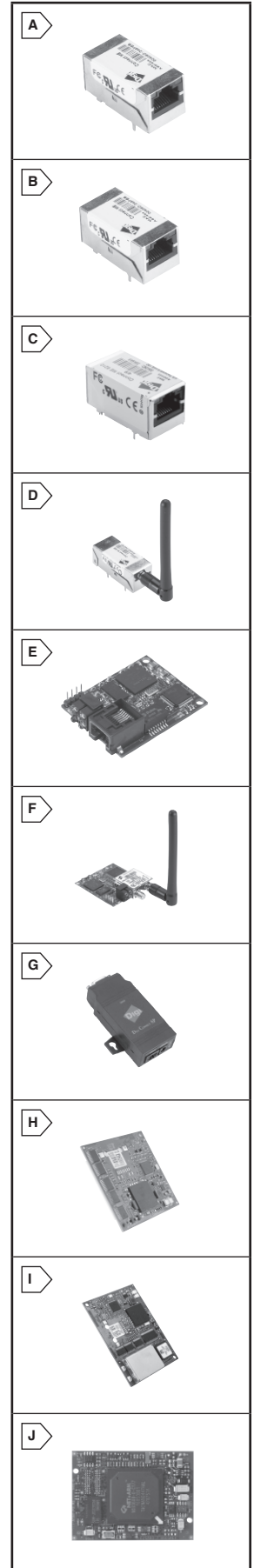
DIGI INTERNATIONAL Development Tools

RoHS Compliant This page of product is RoHS compliant.

IDIGI TELEHEALTH APPLICATION KIT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
888-DG-APP-HHH	DG-APP-HHH	iDigi Telehealth Application Kit	517.50

CONNECTCORE FOR I.MX53

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
888-CC-WMX53-LX	CC-WMX53-LX	JumpStart Kit for Digi Embedded Linux, 7" WVGA LCD panel w/touchscreen	518.75
888-CC-WMX53-CE	CC-WMX53-CE	JumpStart Kit for Microsoft Windows Embedded Compact 7, 7" WVGA LCD panel w/touchscreen	518.75
Digi Connect ME 9210 Kit			
860-DC-ME-9210-NET	DC-ME-9210-NET	Digi Connect ME 9210 JumpStart Kit for NET+OS 7	211.25
Digi Connect Wi-ME® Kit			
860-DC-WME-NET	DC-WME-NET	Digi ConnectCore Wi-ME JumpStart Kit for NET+OS 7	499.00
Digi Connect SP External Serial to 10/100 Wired Ethernet Adapter with Digi Connect Product			
860-DC-SP-NET	DC-SP-NET	Digi ConnectCore SP JumpStart Kit for NET+OS 7	499.00

CONNECTCORE FOR I.MX28

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
888-CC-MX-PE47-ZM	CC-MX-PE47-ZM	1GB, 454MHz, 1 x Ethernet, ConnectCard i.MX28 System-on-Module	79.00
888-CC-MX-PF47-ZK	CC-MX-PF47-ZK	1GB, 454MHz, 1 x Ethernet, ConnectCard i.MX28 System-on-Module	89.00
888-CC-MX-PF47-ZM	CC-MX-PF47-ZM	1GB, 454MHz, 2 x Ethernet, ConnectCard i.MX28 System-on-Module	84.00
888-CC-MX-PF58-ZK	CC-MX-PF58-ZK	1GB, 454MHz, 2 x Ethernet, ConnectCard i.MX28 System-on-Module	94.00
888-CC-WMX-PE47-JT	CC-WMX-PE47-JT	1GB, 454MHz, WiFi+BT+Ethernet, ConnectCard Wi.MX28 System-on-Module	89.00
888-CC-WMX-PF47-VM	CC-WMX-PF47-VM	1GB, 454MHz, WiFi+Ethernet, ConnectCard Wi.MX28 System-on-Module	94.00
888-CC-WMX-PF58-JT	CC-WMX-PF58-JT	1GB, 454MHz, WiFi+BT+Ethernet, ConnectCard Wi.MX28 System-on-Module	114.00
Development Tools			
888-CC-WMX28-LX	CC-WMX28-LX	Complete Linux development platform for embedded systems for use w/ i.MX287	312.50
888-CC-ACC-LCDW-70	CC-ACC-LCDW-70	Digi 7in. WVGA Sharp LCD with Touch Screen for CC-WMX28-LX	250.00

CONNECTCORE™ WI-I.MX51, HIGH-END CORE MODULE WITH WIRED AND WIRELESS NETWORKING

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-CC-WMX51-CE6-EA	CC-WMX51-CE6-EA	ConnectCoreWi-i.MX51 Development Kit	750.00

CONNECTCORE 9C

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
Digi ConnectCore 9P 9215 Kits			
860-CC-9P-9215-NET	CC-9P-9215-NET	Digi ConnectCore 9P 9215 JumpStart Kit for NET+OS 7	518.75
860-CC-9P-9215-LX	CC-9P-9215-LX	Digi ConnectCore 9P 9215 JumpStart Kit for Digi Embedded Linux	518.75
Digi ConnectCore 9P 9360 Kit			
860-CC-9P-NET	CC-9P-NET	Digi ConnectCore 9P 9360 JumpStart Kit for NET+OS 7	518.75

CONNECTPORT X5

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Part No.	Description	Price Each
860-X5R-000-G1T7K-A1	X5R-000-G1T7K-A1	ConnectPort X5 Development Kit WiFi + GPRS	1499.00
860-X5R-000-G1T70-00	X5R-000-G1T70-00	ConnectPort X5 GTWY WiFi, GPRS	1244.00

Image captions: DG-APP-HHH · DC-ME-NET · I.MX28 · DG-M2M-SB-KIT

XBEE® XBEE-PRO DEVELOPMENT KITS & INTERFACE BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digi Intl. Part No.	Description	Price Each
888-XBIB-R	XBIB-R	RS-232 Interface Dev. Board; Xbee USB interface Dev. Board	60.00
888-XB24-DKS	XB24-DKS	XBee Starter Development Kit includes 2 XBee units	129.00
888-XB24-DKS-INT	XB24-DKS-INT	XBee Starter Development Kit includes 2 XBee units	129.00
888-XBP08-DK	XBP08-DK	XBee-PRO 868 OEM Development Kit	149.00
888-XBP24-BZ7B-DK	XBP24BZ7B-DK	Dev Kit (2) Xbee-PRO ZB Programmable Modules (1 Wire Variant, 1 RPSMA Variant); (1) XStick ZB; (1) Debugger; (1) XBee RS-232 Interface Dev Board; (1) XBee USB Interface Dev Board; Accessories and Power Supply (Including International Plug Kit)	423.94
888-XBP24BZ7B-DK-W	XBP24BZ7B-DK-W	Dev Kit (2) XBee-PRO ZB International Programmable Modules (1 Wire Variant, 1 RPSMA Variant); (1) XStick ZB; (1) Debugger; (1) XBee RS-232 Interface Dev Board; (1) XBee USB Interface Dev Board; Accessories and Power Supply (Including International Plug Kit)	423.94
888-XBP24-DKS	XBP24-DKS	XBee-PRO Starter Development Kit includes 2 XBee-PRO units	179.00
888-XK2-Z7SBE0	XK2-Z7SBE0	RF SMT Module Development Kit - EMEA	423.94
888-XK2-Z7SBJ0	XK2-Z7SBJ0	RF SMT Module Development Kit - Japan	423.94
888-XK8-DMS-0	XK8-DMS-0	XBee 865/868LP Dev Kit	199.00
888-XKKP9-DMB0	XKP9-DMB0	900MHz, 3.6V, X-BeePRO 900HP Programmable Development Kit	311.25
888-XK9-XCT-0	XK9-XCT-0	XBee-PRO XSC S3B Development Kit - North America	149.00
888-XK9-XCT-2	XK9-XCT-2	XBee-PRO XSC S3B 920MHz Development Kit - International	149.00
888-XKKP9-DM-0	XKP9-DM-0	Xbee-PRO 900HP S3B Development Kit - North America	199.00
888-XK-Z11-M	XK-Z11-M	ZigBee RF Module Development Kit- USA and Canada	299.00
888-XK-Z11-M-W	XK-Z11-M-W	ZigBee RF Module Development Kit - Australia	299.00
888-XK-Z11-M-WA	XK-Z11-M-WA	ZigBee RF Module Development Kit - all Other International Customers	299.00
888-XK-Z11-S	XK-Z11-S	RF SMT Module Development Kit - USA and Canada	299.00
888-XK-Z11-S-W	XK-Z11-S-W	RF SMT Module Development Kit - all Other International Customers	299.00
888-XK-Z11-S-WA	XK-Z11-S-WA	RF SMT Module Development Kit - Australia	299.00

DIGILENT Embedded Modules

RoHS Compliant. **This page of product is RoHS compliant.**

ADD-ON BOARD

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digilent Part No.	Description	Price Each
424-FMC-CE	6003-210-012P	FMC-CE I/O Expansion Card for Xilinx Demo/Eval Board with FMC Connector	319.00

FPGA BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digilent Part No.	Description	Price Each
424-ANVYL	410-258P-KIT	Anvyl Spartan-6 FPGA Development Board	471.62
424-BASYS2	410-155P-KIT	Basys2 Spartan-3E FPGA Board	77.87
424-CMODC2	410-047-C2P-KIT	Xilinx CoolRunner II CPLD IC CmodC2 FPGA Board	25.19
424-CMOD-S6	410-282P-KIT	Cmod S6 Xilinx Spartan-6 LX45 FPGA	69.00
424-COOL-RUNNER-II	410-146P-KIT	Cool Runner II CPLD Starter Board	36.99
424-GENESYS	410-138P-KIT	Genesys Virtex-5 FPGA Development Board	1129.77
424-NETFPGA-1G-CML	6015-410-001P-KIT	NetFPGA-1G CML FPGA Development Platform	1499.00
424-NEXYS-4	410-274P-KIT	Nexys 4 Artix-7 FPGA Development Board	319.93
424-ZEDBOARD	410-248P-KIT	ZedBoard Zynq-7000 FPGA Development Board	494.94
424-ZYBO	410-279P-KIT	ZYBO Zynq-7000 Development Board	189.00
424-ZYBO-ACC-KIT	240-067P	ZYBO Accessory Kit	30.00
424-ZYBO-PWR-SPLY	300-031P	ZYBO 5V, 2.5A, Switching Power Supply	10.00

MICROPROCESSOR BOARD

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digilent Part No.	Description	Price Each
424-UDB	6021-210-000P-KIT	UDB - Universal Development Board	79.00

PERIPHERAL MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digilent Part No.	Description	Price Each
424-PMOD-ACL	410-097P-KIT	PmodACL - 3-Axis Accelerometer	21.99
424-PMOD-ACL2	410-255P-KIT	PmodACL2 - 3-Axis MEMS Accelerometer	24.99
424-PMOD-AD1	410-064P-KIT	PmodAD1-Two 12-bit A/D Inputs	37.00
424-PMOD-AD2	410-217P	PmodAD2-4 channel 12-bit A/D Converter	24.99
424-PMOD-AD5	410-242P	PmodAD5 - 4 channel, 4.8 KHz, 24 bit A/D Converter	40.00
424-PMOD-AMP2	410-233P-KIT	PmodAMP2 - Audio Amplifier	21.99
424-PMOD-AMP3	410-270P-KIT	PmodAMP3 - Stereo Power Amplifier	19.99
424-PMOD-BB	410-136P	PmodBB - Wire Wrap Bread Board	21.99
424-PMOD-BT2	410-214P-KIT	PmodBT2 - Bluetooth Interface	53.99
424-PMOD-CDC1	410-247P-KIT	PmodCDC1 - Capacitative I/O	21.99
424-PMOD-CLP	410-142P	PmodCLP - Character LCD Parallel Interface	37.99
424-PMOD-CON1	410-065P	PmodCON1 - Wire Terminal Connectors	15.99
424-PMOD-CON3	410-082P	PmodCON3 - R/C Servo Connectors	15.99
424-PMOD-CON4	410-084P	PmodCON4 - RCA Audio Jacks	15.00
424-PMOD-DA1	410-063P	Pmod-DA1 - Four 8-bit D/A Outputs	24.99
424-PMOD-DA2	410-113P	Pmod-DA2 - Two 12-bit D/A Outputs	28.99
424-PMOD-DA3	410-241P	PmodDA3 - One 16-bit D/A Output	46.00
424-PMOD-DA4	410-245P-KIT	PmodDA4 - Eight 12-bit D/A Outputs	37.00
424-PMOD-DPOT	410-239P-KIT	PmodDPOT - Digital Potentiometer	21.59
424-PMOD-ENC	410-117P	PmodENC - Rotary Encoder	16.99
424-PMOD-GPS	410-237P	PmodGPS - GPS Receiver	49.00
424-PMOD-GYRO	410-215P	PmodGYRO 3-Axis Digital Gyroscope	39.99
424-PMOD-HB3	410-069P	PmodHB3 - H-bridge w/ feedback inputs	21.59
424-PMOD-HB5	410-106P	PmodHB5 - H-bridge w/ feedback inputs	28.00
424-PMOD-KYPD	410-195P	PmodKYPD - 16-Button Keypad	26.99
424-PMOD-LED	410-076P	PmodLED - High Bright LEDs	15.00
424-PMOD-LS1	410-086P	PmodLS1 - Infrared Light Detector	15.99
424-PMOD-MIC	410-122P	PmodMIC - Microphone with Digital Interface	15.99
424-PMOD-OD1	410-125P	PmodOD1 - Open Drain Output	22.59
424-PMOD-OLED	410-222P	PmodOLED - Organic LED Graphic Display	27.99
424-PMOD-PMON1	410-265P-KIT	PmodPMON1 - Power Monitor	21.99
424-PMOD-RF2	410-201P-KIT	PmodRF2 - IEEE 802.15 RF Transceiver	21.59
424-PMOD-RS232	410-068P	PmodRS232 - Serial Converter & Interface	21.59
424-PMOD-RTCC	410-218P-KIT	PmodRTCC - Real-time Clock/Calendar	21.59
424-PMOD-SD	410-123P	PmodSD - SD Card Slot	31.32
424-PMOD-SSD	410-126P	PmodSSD - Seven-Segment Display	15.99
424-PMOD-STEP	410-267P	PmodSTEP - Stepper Motor Driver	40.00
424-PMOD-SWT	410-083P	PmodSWT - Slide Switches	15.00
424-PMOD-TMP-2	410-221P	PmodTMP2 - Thermometer/Thermostat	24.99
424-PMOD-TMP-3	410-287P	PmodTMP3 - Temperature Sensor	20.00
424-PMOD-TPH	410-081P	PmodTPH - 6-pin Test Point Header	15.59
424-PMOD-TPH-2	410-135P	PmodTPH2 - 12-pin Test Point Header	16.00
424-PMOD-USB-UART	410-212P-KIT	PmodUSBUART - USB to UART Interface	21.59
424-PMOD-WIFI	410-194P-KIT	PmodWiFi - 802.11b WiFi Interface	52.00

PROGRAMMING SOLUTIONS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digilent Part No.	Description	Price Each
424-JTAG-HS2-H-S-C	410-249P-KIT	JTAG-HS2 - High-Speed Programming Cable	59.99
424-JTAG-SMT2-S-M-M	210-251P-BOARD	JTAG-SMT2 Surface Mount Programming Module	49.99
424-JTAG-USB-CABLE	250-003P	JTAG USB Cable	59.00
424-XUP-USB-JTAG	6003-410-011P-KIT	XUP-USB-JTAG Programming Cable	149.79

ROBOTIC PLATFORMS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digilent Part No.	Description	Price Each
424-GWS-SERVO-KIT	290-010P	GWS Servo Kit with Futaba Connector	11.99
424-S-MOTOR-MNT-KIT	240-022P	Single Motor Mount (Pair) for Use with the Robotic Starter Kit	7.99

SCOPES AND INSTRUMENTS

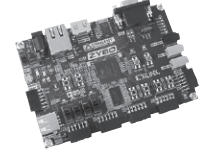For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Digilent Part No.	Description	Price Each
424-AD-BNC-ADAP-BRD	410-263P	Analog Discovery BNC Adapter Board	17.49
424-ANALOG-DISCOVERY	410-244P-KIT	Analog Discovery™ Kit	238.71
424-ANALOG-PARTS-KIT	240-000P-KIT	Analog Parts Kit	61.24
424-ELECTRONICS-EXP	410-151P-KIT	Electronics Explorer Board	659.00
424-MXP-BREADBOARD	210-283P	MXP Breadboard for NI myRIO	20.00
424-MXP-WIREWRAP	6002-210-008P	MXP Wirewrap for NI myRIO	10.00
424-MYPARTS-KIT	6002-240-001P-KIT	myParts Kit from Texas Instruments	74.00

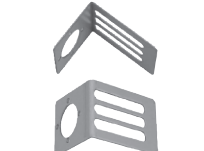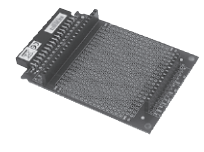410-258P-KIT

6015-410-001P-KITc

410-279P-KIT

6021-210-000P-KIT

210-251P-BOARD

290-010P

240-022P

240-000P-KIT

6002-210-008P

Embedded Modules / **Digilent**

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DLP DESIGN USB Interface Products

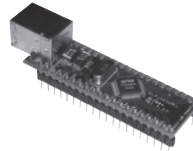*RoHS Compliant* **This page of product is RoHS compliant.**

"Add USB to your next project--it's easier than you might think!"

DLP Design's USB Interface products provide a high-speed, hot-swappable, user-friendly connection between your electronic device and a host PC. The USB interface will provide up to 500mA at 5 volts of power for your electronics. These boards make the extremely complex USB Interface easy for just about anyone to start using, without requiring any in-depth prior knowledge.

DUAL CHANNEL USB ADAPTERS

626-DLP2232M-G

The DLP-2232M uses FTDI's FT2232C 3RD generation Dual Channel USB-FIFO/UART and offers a simple solution for interfacing ASIC/MCU/FPGA/DSP based designs to a host computer via USB. Each channel can be configured for either USB-UART or USB-FIFO via the on-board setup EEPROM. Rev 3 silicon from FTDI. No in-depth knowledge of USB required!

626-DLP2232PB-G

The DLP-2232PB uses FTDI's 3RD generation FT2232C USB IC and a PIC Microchip 16F877A to form a rapid prototyping development tool. On-board firmware uploader included - no device programmer required!

626-DLP-2232H

The DLP-2232H is DLP Design's premier USB-to-UART/FIFO interface module based on FTDI's 5th generation USB 2.0 High Speed (480Mb/s) silicon. The DLP-2232H is manufactured in a lead-free, RoHS-compliant, compact 40-pin, 0.1-inch spaced standard 0.6 inch wide DIP footprint.

626-DLP2232M-G   626-DLP2232PB-G   626-DLP2232H

Embedded Modules

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Price Each		
		1	50	100
626-DLP2232M-G	DLP-2232M-G	35.00	32.09	30.95
626-DLP-2232PB-G	DLP-2232PB-G	50.00	44.10	43.75
626-DLP-2232H	DLP-2232H	32.96	30.35	29.20

USB ADAPTER BOARDS

DLP-USB245M-G

- Add USB connectivity to your next project
- Up to 8 megabit per second data rate
- USB 1.1 compliant
- Simple FIFO interface to MCU, FPGA, CPU, etc.
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required
- RoHS Compliant

The DLP-USB245M USB-FIFO adapter offers a simple straight-forward solution for interfacing ASIC or MCU based designs to USB. It comes complete with royalty-free drivers for most common operating systems. Features include an easy to use FIFO-like interface, a data transfer rate of up to 8 megabits per second and a standard .6 inch, 24-pin DIP footprint.

DLP-USB232M-G

- Easily convert legacy RS-232 devices to USB
- Up to 3 megabaud data rate
- USB 1.1 compliant
- Full handshaking and modem interface signals
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required
- RoHS Compliant

The DLP-USB232M USB-UART Adapter PCB is the ideal solution for upgrading legacy RS232 designs to USB. It comes complete with royalty-free drivers for most common operating systems. Features include data transfer rates of up to 3 million baud, a full set of modem handshaking controls and a standard .6 inch, 24-pin DIP footprint.

626-DLP-USB232R

The DLP-USB232R is DLP Design's smallest USB-to-serial UART interface module, and it utilizes the popular FT232R IC with the FTDIChip-ID™ feature from FTDI. In addition to enabling standard USB-to-serial designs, both asynchronous and synchronous bit-bang interface modes are available.

626-DLP-USB1232H

The DLP-USB1232H is DLP Design's premier USB-to-UART/FIFO interface module based upon FTDI's fifth-generation USB 2.0 High Speed (480Mb/s) silicon. The DLP-USB1232H is available in a lead-free, RoHS-compliant, compact, 18-pin, 0.1-inch spaced standard DIP footprint.
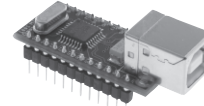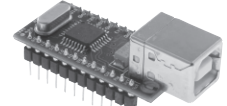
626-DLP-USB232M-G   626-DLP-USB245M-G
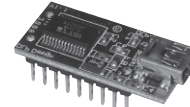
626-DLP-USB1232H   626-DLP-USB232R

For quantities greater than listed, call for quote.

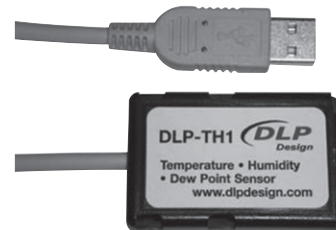| MOUSER STOCK NO.	DLP Part No.	Description	Package	Price Each		
				1	50	100
626-DLP-USB245M-G	DLP-USB245M-G	DLP-USB245M USB-FIFO Adapter PCB	DIP-24	25.00	23.25	22.40
626-DLP-USB232M-G	DLP-USB232M-G	DLP-USB232M USB-UART Adapter PCB	DIP-24	25.00	23.25	22.40
626-DLP-USB1232H	DLP-USB1232H	DLP-USB1232 USB to UART/FIFO Adapter PCB	DIP-18	28.95	27.99	27.50
626-DLP-USB232R	DLP-USB232R	DLP-USB232R USB to UART Adapter PCB	DIP-18	18.00	16.25	15.88

USB TO SERIAL ADAPTER

This USB-to-serial adapter is designed to easily connect a microcontroller/DSP/FPGA/etc to a host PC or upgrade a legacy RS232 design effort. Virtual Com Port (VCP) drivers are provided royalty-free that make the DLP-TXRX look like a standard Windows/Linux/Mac RS232 port to the users host program. An attractive quantity discount structure makes this module suitable for incorporation into low- and medium-volume finished products.
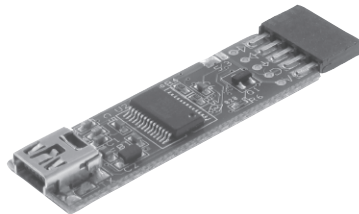
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Price Each	
		1	100
626-DLP-TXRX-G	DLP-TXRX-G	20.00	17.92

DLP-TH1 TEMPERATURE AND HUMIDITY SENSOR

The DLP-TH1 is shipped with Windows 98/ME/2000/XP compatible software and USB drivers. Additionally, the most recent versions of the application software and USB drivers for the DLP-TH1 are available as a free download from www.dlpdesign.com/usb/th1.html.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each		
			1	25	100
626-DLP-TH1B	DLP-TH1-B	Temperature and Humidity Sensor	89.95	86.90	83.75

USB CABLES

Features:
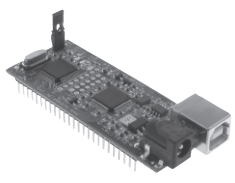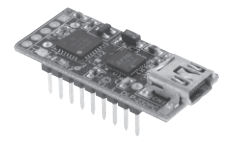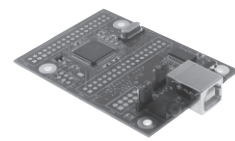- UL2725 Cable
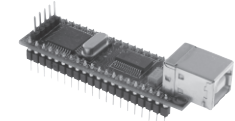- 100% Open, short & mis-wire tested
- RoHS Compliant

For quantities greater than listed, call for quote.
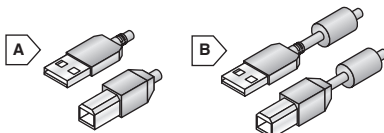
MOUSER STOCK NO.	Fig	Color	Length (in.)	Description	Price Each			
					1	25	100	500
172-1024-E	A	Black	1.8M (71)	USB A male to USB B male	6.92	5.32	4.84	4.40
172-1027-E	B	Black	1.5M (59)	Filtered USB A male to USB B male	8.28	6.37	5.79	5.26

DLP DESIGN USB Interface Products

🌿 **RoHS Compliant** **This page of product is RoHS compliant.**
"Add USB to your next project-it's easier than you might think!"

DLP Design's USB Interface products provide a high-speed, hot-swappable, user-friendly connection between your electronic device and a host PC. The USB interface will provide up to 500mA at 5 volts of power for your electronics. These boards make the extremely complex USB Interface easy for just about anyone to start using, without requiring any in-depth prior knowledge.

DLP-2232MSP

The DLP-2232MSP combines the same USB interface used in the DLP-2232H and the DLP-1232H modules with a Texas Instruments microcontroller to form a rapid development tool. The MSP430F2618 microcontroller is preprogrammed with basic functionality for accessing the port pins and can be reprogrammed with user firmware via a 10-pin header using a device programmer (purchased separately).

DLP-232PC

- Single byte commands to all functions
- Designed to fit into a standard 18 pin, 0.3-inch wide DIP footprint providing 14 I/O channels
- PIC18F2410 Microcontroller can be reprogrammed with user firmware
- Microcontroller communicates with host PC at up to 460,800 baud data rate
- USB 1.1/2.0 Compatible
- Rev 3 silicon from FTDI
- No in-depth knowledge of USB required

Measuring in at only 1.375x0.6 inches, this new module is our lowest cost and smallest USB to Microcontroller module to date. The DLP-232PC uses single byte commands and FTDI's Virtual COM Port (VCP) drivers to provide an easy to use USB interface to a PIC 18F2410 microcontroller.

DLP-245PL-G

- Simple USB-FIFO interface to PIC Microchip 18F8722 microcontroller
- 50 I/O pins (including A/D inputs) plus 8-bit data bus
- Example source code provided for Token firmware feature
- Up to 2 megabit per second data rate to host computer
- USB 1.1/2.0 compatible
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required
- RoHS Compliant

The DLP-245PL is a powerful integrated module based on the DLP-USB245M USB-FIFO adapter coupled with a PIC 18F8722 MPU and royalty free USB drivers. The 18F8722 microcontroller is preprogrammed with basic functionality for accessing the port pins and can be reprogrammed with user hex code via a 5-pin header that is compatible with Microchip's MPLAB ICD2 device programmer/debugger (purchased separately). Refer to the datasheet for full details.

DLP-245PB-G

- Simple USB-FIFO interface to PIC Microchip 16F877A microcontroller
- Plugs into a standard 40-pin, 0.6in. wide DIP socket
- Example source code provided for Token firmware feature
- Up to 2 megabit per second data rate to host computer
- USB 1.1/2.0 Compatible
- Rev 2 silicon from FTDI
- No in-depth knowledge of USB required

The DLP-245-PB-G is a powerful integrated module based on the DLP-USB245M USB-FIFO adapter coupled with a PIC 16F877 MPU and royalty free USB drivers. It plugs into a standard 40 pin 0.6in DIP socket and is ideal for rapid prototyping and development of USB / PIC based designs. Token I/O code pre-programmed into the 16F877's ROM for basic port pin input/output capability including access to the A/D, EEPROM, and external digital temperature sensors. The 16F877's Flash ROM can be easily erased and reprogrammed if required using the optional DLP-Flash Programmer. Refer to the datasheet for full details.

USB MICROCONTROLLER DEVELOPMENT BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	DLP Part No.	Description	Price Each 1	10	25
626-DLP-2232H-SF	DLP-2232H-SF	USB Miccrontroller FPGA Module	165.88	-	-
626-DLP-2232MSP	DLP-2232MSP	DLP-2232MSP MSP430F2618 Microcontroller Module	69.95	65.75	61.99
626-DLP-2232MSPF	DLP-2232MSPF	USB Interface Microcontroller Module	59.95	58.29	56.75
626-DLP-232PC	DLP-232PC	DLP-232PC USB to PIC18F2410 Microcontroller Module	29.95	29.00	28.75
626-DLP-245PL-G	DLP-245PL-G	DLP-245PL USB/Microcontroller PCB	65.00	62.50	60.00
626-DLP-245PB-G	DLP-245PB-G	USB to PIC16F877A Microcontroller Module	40.00	38.50	37.25

FPGA MODULES

Features:
- Micron 32M x 8 DDR2 SDRAM Memory
- Built-In Configuration Loader; Writes the Bit File Directly to SPI Flash via High-Speed USB 2.0 Interface
- 63 User I/O Channels: 24 Differential Pairs and 8 Global Clocks
- 66MHz Oscillator

- 133MHz DDR2 Interface Reference Design Provided
- USB Port Powered or 5V External Power Barrel Jack
- USB 1.1 and 2.0 Compatible Interface
- Small Footprint: 3.0 x 1.2-inch PCB and Standard 50-Pin, 0.9-inch DIP Interface
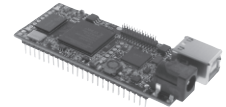
626-DLP-HS-FPGA2	DLP-HS-FPGA2	Xilinx XC3S400A-4FTG256C FPGA Prototyping Module	157.46	-	-
626-DLP-HS-FPGA3	DLP-HS-FPGA3	Xilinx XC3S1400A-4FTG256C FPGA Prototyping Module	192.46	-	-

DLP-D USB BASED SECURITY DONGLE

The DLP-D Security Dongle is pre-programmed with a unique identification number (Serial Number) that is readable over USB but cannot be altered by any means. Since each serial number is unique, this device provides a way of linking application software to a specific hardware dongle with a high level of security.

Features:
- Hard-coded, unique serial number
- USB 1.1 and 2.0 compatible interface
- Small size; easily fits on key chain
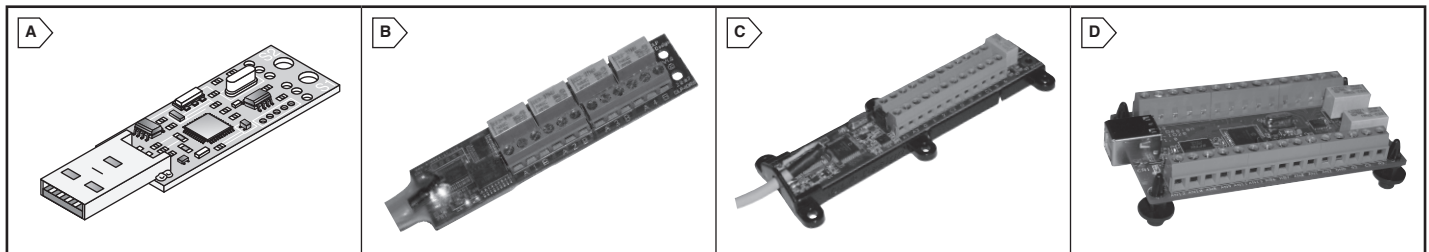- 3rd-Party support for application development

Applications:
- Access control
- Copy protection

(Top View)   (Bottom View)

626-DLP-D-G	DLP-D-G	USB Security Dongle	14.99	-	-

A   B   C   D

USB DATA ACQUISITION BOARDS

Schematics available on-line. USB 1.1 Compliant.
The onboard PIC12F629 microcontroller can be reprogrammed with user code (requires programmer).
Drivers and test applications can be downloaded from the website

For quantities greater than listed, call for quote.

| MOUSER STOCK NO.	DLP Part No.	Fig.	Description	Price Each 1	10	25
626-DLP-TEMP-G	DLP-TEMP-G	A	2 - Channel	25.00	23.00	21.35
626-DLP-IOR4	DLP-IOR4	B	4 Latching Relays, USB Powered	44.95	-	-
626-DLP-IO14	DLP-IO14	C	14 Channels, ±5V Input Range, USB Powered	44.95	44.05	43.35
626-DLP-IO20	DLP-IO20	D	20 - Channel	49.95	49.05	48.50

EasySYNC USB Interface Products

RoHS Compliant **This page of product is RoHS compliant.**

EasySYNC Ltd is a supplier of communications and instrumentation products with specialist expertise in serial connectivity solutions based on USB, CAN and RS232 /RS422 / RS485 interfaces.

E a s y S Y N C ™

A

B

C

D

E
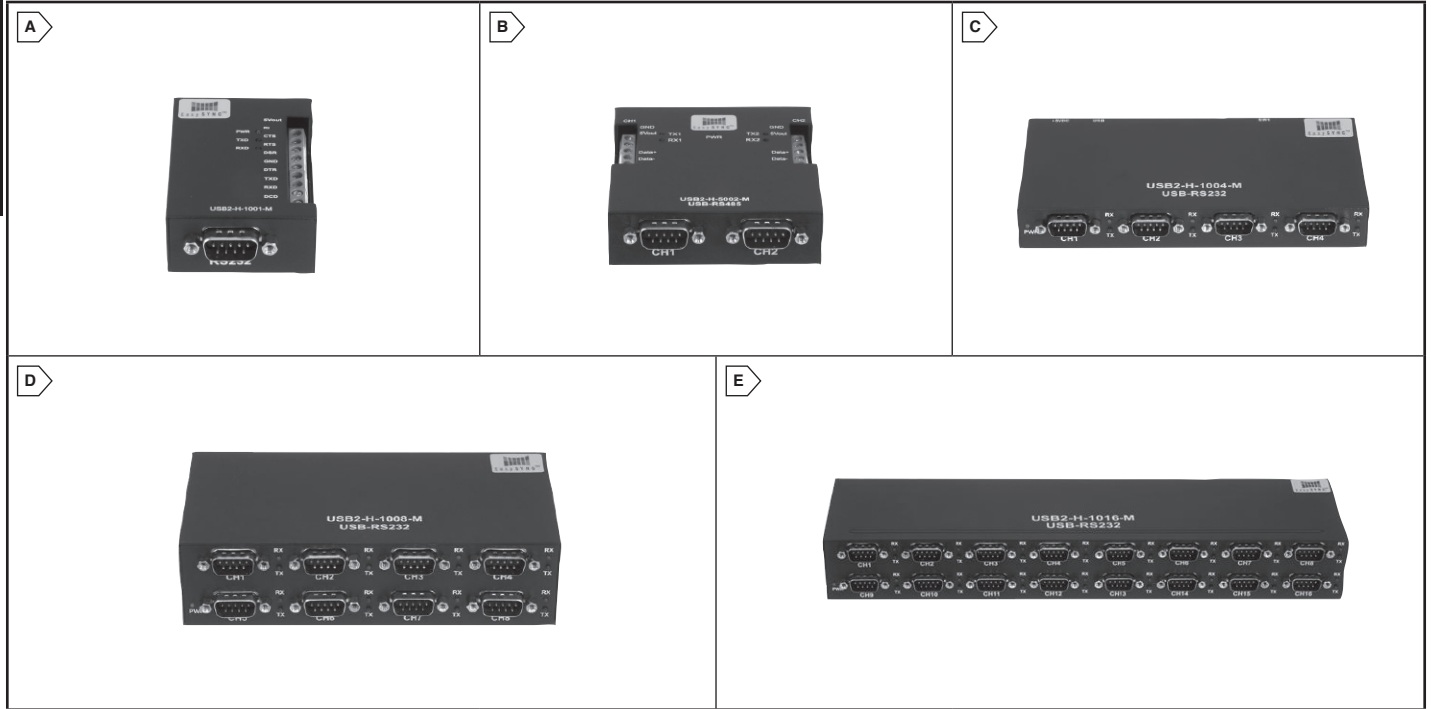
HI-SPEED USB TO PORT INDUSTRIAL ADAPTERS

RS-232 Modules

The USB2-H-100X-M modules are a family of communication devices. This model, USB2-H-100X-M, provides a simple method of adapting many legacy RS232 serial devices to a modern USB port. This is accomplished by incorporating the industry standard FTDI USB2.0 Hi-Speed serial bridge chip. The integrated electronics of the USB2-H-100X-M utilise the FTDI FT4232H, FT2232H or FT232H plus RS232 level shifters and TXD/RXD LEDs to provide a visual indication of data traffic through the module.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	EasySync Part No.	Fig.	Description	Dimensions (mm)	Price Each			
					1	5	10	50
734-USB2-H-1001-M	USB2-H-1001-M	A	Single-Port RS232 module	70.75 x 48.9 x 24	42.35	41.14	40.00	38.92
734-USB2-H-1002-M	USB2-H-1002-M	B	Dual-Port RS232 module	80.62 x 78.8 x 11.2	66.25	64.35	62.56	60.87
734-USB2-H-1004-M	USB2-H-1004-M	C	Quad-Port RS232 module	159.9 x 74.17 x 24	106.25	100.66	98.08	95.63
734-USB2-H-1008-M	USB2-H-1008-M	D	8-Port RS232 module	159.9 x 74.17 x 43.7	200.00	189.47	184.62	180.00
734-USB2-H-1016-M	USB2-H-1016-M	E	16-Port RS232 module	280 x 74.17 x 43.7	400.00	378.95	369.23	360.00

RS-485 Modules

This model, USB2-H-500X-M, provides a simple method of adapting many legacy RS485 serial devices to a modern USB port. This is accomplished by incorporating the industry standard FTDI USB2.0 Hi-Speed serial bridge chip. The integrated electronics of the USB2-H-100X-M utilise the FTDI FT4232H, FT2232H or FT232H plus RS485 level shifters and TXD/RXD LEDs to provide a visual indication of data traffic through the module.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	EasySync Part No.	Fig.	Description	Dimensions (mm)	Price Each			
					1	5	10	50
734-USB2-H-5001-M	USB2-H-5001-M	A	Single-Port RS485 module	69.75 x 46.9 x 23.2	51.62	50.14	48.75	47.43
734-USB2-H-5002-M	USB2-H-5002-M	B	Dual-Port RS485 module	80.61 x 78.8 x 24	74.99	72.85	70.83	68.91
734-USB2-H-5004-M	USB2-H-5004-M	C	Quad-Port RS485 module	159.9 x 74.17 x 24	115.00	108.95	106.15	103.50
734-USB2-H-5008-M	USB2-H-5008-M	D	8-Port RS485 module	159.9 x 74.17 x 24	231.25	219.08	213.46	208.13
734-USB2-H-5016-M	USB2-H-5016-M	E	16-Port RS485 module	280 x 74.17 x 43.7	437.50	414.47	403.85	393.75

RS-422 Modules

The USB2-H-600X-M family are a USB to RS422 level serial UART adaptor incorporating FTDI's FT4232H, FT2232H and FT232H Hi-Speed USB2.0 (480Mb/s) to serial UART interface IC device. The FTDI Chips handle all the USB signaling and protocols. The adaptor provides a fast, simple way to connect devices with an RS422 interface to USB. The integrated electronics of the USB2-H-100X-M utilise the FTDI FT4232H, FT2232H or FT232H and includes RS422 level shifters plus TXD/RXD LEDs to provide a visual indication of data traffic through the module.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	EasySync Part No.	Fig.	Description	Dimensions (mm)	Price Each			
					1	5	10	50
734-USB2-H-6001-M	USB2-H-6001-M	A	Single-Port RS422 module	70.76 x 48.9 x 24	54.93	53.36	51.88	50.47
734-USB2-H-6002-M	USB2-H-6002-M	B	Dual-Port RS422 module	80.62 x 78.8 x 11.2	88.01	85.50	83.13	80.88
734-USB2-H-6004-M	USB2-H-6004-M	C	Quad-Port RS422 module	159.9 x 74.17 x 24	131.25	124.34	121.15	118.13
734-USB2-H-6008-M	USB2-H-6008-M	D	8-Port RS422 module	159.9 x 74.17 x 43.7	250.00	236.84	230.77	225.00
734-USB2-H-6016-M	USB2-H-6016-M	E	16-Port RS422 module	280 x 74.17 x 43.7	450.00	426.32	415.38	405.00

FTDI USB Interface Products

RoHS Compliant **This page of product is RoHS compliant.**

FTDI Chip

EMBEDDED VIDEO ENGINES (EVE)

FT800 Series

MOUSER STOCK NO.	FTDI Part No.	Package	Supply Voltage (V)	Interface Type	Description	Price Each 1	10	100
895-VM800B35A-BK	VM800B35A-BK	QFN-48LD	5	SPI	3.5" LCD Bezel, Black, 1.6mm Thickness	67.00	65.00	51.00
895-VM800B35A-PL	VM800B35A-PL	QFN-48LD	5	SPI	3.5" LCD Bezel, Pearl, 1.6mm Thickness	69.00	66.95	52.50
895-VM800B43A-BK	VM800B43A-BK	QFN-48LD	5	SPI	4.3" LCD Bezel, Black, 1.6mm Thickness	73.00	70.75	55.75
895-VM800B43A-PL	VM800B43A-PL	QFN-48LD	5	SPI	4.3" LCD Bezel, Pearl, 1.6mm Thickness	75.00	72.75	57.25
895-VM800B50A-BK	VM800B50A-BK	QFN-48LD	5	SPI	5.0" LCD Bezel, Black, 1.6mm Thickness	84.00	81.50	64.00
895-VM800B50A-PL	VM800B50A-PL	QFN-48LD	5	SPI	5.0" LCD Bezel, Pearl, 1.6mm Thickness	86.00	83.50	65.50
895-VM800C35A-D	VM800C35A-D	QFN-48LD	5	SPI	3.5" LCD Touch Display Micro-Controller Adapter Card	60.00	58.25	45.75
895-VM800C35A-N	VM800C35A-N	QFN-48LD	5	SPI	3.5" LCD Connector, Micro-Controller Adaptor Card (No Display)	35.00	33.95	26.75
895-VM800C43A-D	VM800C43A-D	QFN-48LD	5	SPI	4.3" LCD Touch Display Micro-Controller Adapter Card	65.00	63.25	49.50
895-VM800C43A-N	VM800C43A-N	QFN-48LD	5	SPI	4.3/5.0" LCD Connector, Micro-Controller Adapter Card (No Display)	35.00	33.95	26.75
895-VM800C50A-D	VM800C50A-D	QFN-48LD	5	SPI	5.0" LCD Micro-Controller Adapter Card	75.00	72.75	57.25

EMBEDDED VIDEO ENGINES (EVE) PLUS MODULES

MOUSER STOCK NO.	FTDI Part No.	Supply Voltage (V)	Interface Type	Description	Price Each 1	10	100
895-VM800P35A-BK	VM800P35A-BK	5	USB	3.5" TFT LCD Bezel, Black, FT800 Display Kit	89.00	86.50	73.75
895-VM800P43A-BK	VM800P43A-BK	5	USB	4.3" TFT LCD Bezel, Black, FT800 Display Kit	99.00	96.00	75.50
895-VM800P50A-BK	VM800P50A-BK	5	USB	5.0" TFT LCD Bezel, Black, FT800 Display Kit	108.00	104.75	89.50
895-VM800P35A-PL	VM800P35A-PL	5	USB	3.5" TFT LCD Bezel, Pearl, FT800 Display Kit	91.00	88.25	75.50
895-VM800P43A-PL	VM800P43A-PL	5	USB	4.3" TFT LCD Bezel, Pearl, FT800 Display Kit	101.00	97.95	83.75
895-VM800P50A-PL	VM800P50A-PL	5	USB	5.0" TFT LCD Bezel, Pearl, FT800 Display Kit	110.00	106.75	91.00

EMBEDDED VIDEO ENGINES (EVE) USB 2.0 HI-SPEED TO MPSSE SPI MODULE

MOUSER STOCK NO.	FTDI Part No.	Description	Price Each 1	10	100
895-VM800B35A-BK	VM800B35A-BK	30 Mbps, 1-Ch., Connect VM800B and VM800C with 3.3 Volt Digital Interface to USB 2.0	67.00	65.00	51.00

EMBEDDED VIDEO ENGINES (EVE) DEVELOPMENT TOOLS

MOUSER STOCK NO.	FTDI Part No.	Description	Price Each 1	10	100	MOUSER STOCK NO.	FTDI Part No.	Description	Price Each 1	10	100
895-FT800Q-R	FT800Q-R	1-Ch, 2-bit Res., 3.63V, 8mA Graphic Cont.	6.10	6.10	4.80	895-VA-PSU-EU1	VA-PSU-EU1	Europe 1A, AC to Micro-USB Wall Adapter	6.50	6.25	5.28
895-VA-FC-1M-BKW	VA-FC-1M-BKW	1M, Flat USB A to Micro B Cable, Black/White	2.50	2.45	2.04	895-VA-PSU-UK1	VA-PSU-UK1	UK 1A, AC to Micro-USB Wall Adapter	6.50	6.25	5.28
895-VA-FC-1M-BLW	VA-FC-1M-BLW	1M, Flat USB A to Micro B Cable, Blue/White	2.50	2.45	2.04	895-VA-PSU-US1	VA-PSU-US1	US 1A, AC to Micro-USB Wall Adapter	6.50	6.25	5.28
895-VA-FC-STYLUS1	VA-FC-STYLUS1	VM800C, Resistive Touch Screen Stylus	2.00	1.95	1.60						

USB-UART AND USB INTERFACE ICS

FT Series

MOUSER STOCK NO.	FTDI Part No.	Description	Price Each 1	10	100
USB to Basic Serial UART					
895-FT232RL	FT232RL	SSOP-28	4.50	4.05	3.65
895-FT232RQ	FT232RQ	QFN-32	4.50	4.05	3.65
895-FT232BL	FT232BL	LQFP-32	5.75	4.95	4.25
895-FT232BQ	FT232BQ	QFN-32	5.75	4.95	4.25
USB to Parallel FIFO					
895-FT245RL	FT245RL	SSOP-28	4.50	4.05	3.65
895-FT245RQ	FT245RQ	QFN-32	4.50	4.05	3.65
895-FT245BL	FT245BL	LQFP-32	5.75	4.95	4.25
USB to Dual UART/FIFO					
895-FT2232D	FT2232D	LQFP-48	6.99	6.28	5.17
USB Hi-Speed to Dual UART/FIFO/SPI/JTAG/I2C					
895-FT2232HL	FT2232HL	LQFP-64	6.71	6.20	5.40
895-FT2232HQ	FT2232HQ	QFN-64	6.71	6.20	5.40
USB Hi-Speed to Quad UART/SPI/JTAG/I2C					
895-FT4232HL	FT4232HL	LQFP-64	9.59	8.66	6.84
895-FT4232HQ	FT4232HQ	QFN-64	9.59	8.66	6.84
USB Hi-Speed to UART/FIFO/SPI/JTAG/I2C/FT1248					
895-FT232HL-REEL	FT232HL	LQFP-48	4.25	3.55	3.10
895-FT232HQ-REEL	FT232HQ	QFN-48	4.25	3.55	3.10

FT-X Series

MOUSER STOCK NO.	FTDI Part No.	Description	Price Each 1	10	100
USB to Basic Serial UART					
895-FT230XS-R	FT230XS	SSOP-16	2.04	2.04	1.90
895-FT230XQ-R	FT230XQ	QFN-16	2.04	2.04	1.90
895-FT234XD-T	FT234XD-T	DFN-12	2.04	2.04	1.90
USB to Full Serial UART					
895-FT231XS-R	FT231XS	SSOP-20	2.12	2.12	1.98
895-FT231XQ-R	FT231XQ	QFN-20	2.12	2.12	1.98
USB to Parallel FIFO					
895-FT240XS-R	FT240XS	SSOP-24	2.16	2.16	2.02
895-FT240XQ-R	FT240XQ	QFN-24	2.16	2.16	2.02
USB to I2C					
895-FT200XD-R	FT200XD	DFN-10	2.00	2.00	1.87
895-FT201XS-R	FT201XS	SSOP-16	2.04	2.04	1.90
895-FT201XQ-R	FT201XQ	QFN-16	2.04	2.04	1.90
USB to 4-bit SPI/FT1248					
895-FT220XS-R	FT220XS	SSOP-16	2.04	2.04	1.90
895-FT220XQ-R	FT220XQ	QFN-16	2.04	2.04	1.90
USB to 8-bit SPI/FT1248					
895-FT221XS-R	FT221XS	SSOP-20	2.12	2.12	1.98
895-FT221XQ-R	FT221XQ	QFN-20	2.12	2.12	1.98

USB INTERFACE BASED MODULES

MOUSER STOCK NO.	FTDI Part No.	Description	Price Each 1	10	50	100
895-UMFT230XA-01	UMFT230XA-01	USB to Basic UART Development Module for FT230X	18.00	16.65	16.24	15.83
895-UMFT230XB-01	UMFT230XB-01	USB to Basic UART Breakout Module for FT230X	9.95	9.20	8.98	8.75
895-UMFT231XA-01	UMFT231XA-01	USB to Full UART Development Module for FT231X	20.00	18.50	18.04	17.59
895-UMFT231XC-01	UMFT231XC-01	USB to Full UART + Battery Charger Detection Development Module, FT231X	35.00	32.38	31.57	30.78
895-UMFT240XA-01	UMFT240XA-01	USB to Parallel FIFO Development Module for FT240X	23.75	21.97	21.42	20.89
895-UMFT200XD-01	UMFT200XD-01	USB to I2C Breakout Module for FT200XD	9.50	8.79	8.57	8.45
895-UMFT201XB-01	UMFT201XB-01	USB to I2C Breakout Module for FT201X	9.95	9.20	8.98	8.75
895-UMFT220XB-01	UMFT220XB-01	USB to 4-bit SPI/FT1248 Breakout Module for FT220X	9.95	9.20	8.98	8.75
895-UMFT220XA-01	UMFT220XA-01	USB to 4-bit SPI/FT1248 Development Module for FT220X	18.00	16.65	16.24	15.83
895-UMFT221XA-01	UMFT221XA-01	USB to 8-bit SPI/FT1248 Development Module for FT220X	20.00	18.50	18.04	17.59
895-EVAL232R	EVAL232R	USB to RS232 Evaluation Module for FT232RL	21.00	19.00	17.50	16.64
895-UM232R	UM232R	USB to Serial UART Development Module for FT232R	20.00	18.00	16.50	15.85
895-MM232R	MM232R	USB to Serial UART Mini Module for FT232R	18.00	16.00	14.50	14.27
895-UB232R	UB232R	Mini USB to Serial UART Module with USB Mini Connector for FT232R	17.50	15.50	14.00	13.88
895-UM245R	UM245R	USB to Parallel FIFO Development Module for FT245R	20.00	18.00	16.50	15.85
895-FT2232HMINIMOD	FT2232H MINI MOD	USB Hi-Speed to 2-Port UART/FIFO/JTAG/SPI/I²C Eval Module, FT2232H	27.00	24.30	22.37	20.39
895-FT4232HMINIMOD	FT4232H MINI MOD	USB Hi-Speed to 4-Port UART/JTAG/SPI/I²C Eval Module, FT4232H	29.90	26.91	24.77	22.58
895-UM232H	UM232H	USB Hi-Speed to UART/FIFO/JTAG/SPI/I²C/FT1248 Eval Module, FT232H	20.00	17.85	17.00	16.60
895-UM232H-B-01	UM232H-B	USB Hi-Speed to UART/245 FIFO/FT1248/I²C/SPI/GPIO Breakout Module for FT232H	15.75	14.57	14.20	13.85
895-UM232H-B-NC	UM232H-B-NC	USB Hi-Speed to UART/245 FIFO/FT1248/I²C/SPI/GPIO Breakout Module for FT232H	15.35	14.20	13.85	13.50
895-UM232H-B-WE	UM232H-B-WE	USB Hi-Speed to UART/245 FIFO/FT1248/I²C/SPI/GPIO Breakout Module for FT232H	15.35	14.20	13.85	13.50
895-UMFT234XD-01	UMFT234XD-01	USB to UART Development Modules for FT234XD	9.95	9.20	8.98	8.75
895-UMFT234XD-NC	UMFT234XD-NC	USB to UART Development Modules for FT234XD	9.95	9.20	8.89	8.75
895-UMFT234XD-WE	UMFT234XD-WE	USB to UART Development Modules for FT234XD	10.95	10.12	9.88	9.63
895-UMFT234XF	UMFT234XF	USB to UART Breakout Module for FT234XD	5.95	5.50	5.37	5.23
895-UMFT234XF	UMFT234XF	USB to UART Development Module for FT234XD	5.95	5.50	5.37	5.23
895-UMFT201XE-01	UMFT201XE-01	USB to I2C Development Module for FT201XQ	18.00	16.65	16.24	15.83
895-UMFT221XE-01	UMFT221XE-01	USB to 8bit SPI Development Module for FT221XQ	20.00	18.50	18.04	17.59
895-UMFT231XE-01	UMFT231XE-01	USB to UART Evaluation Module for FT231XQ	20.00	18.50	18.04	17.59
895-UMFT240XE-01	UMFT240XE-01	USB to 8bit 245 FIFO Evaluation Module for FT240XQ	23.75	21.97	21.42	20.89

FTDI USB Interface Products

RoHS Compliant **This page of product is RoHS compliant.**

DB9-USB RETROFIT ADAPTERS

MOUSER STOCK NO.	FTDI Part No.	Fig.	Description	Price Each 1	10	50
895-DB9-USB-RS232-F	DB9-USB-F	A	USB to RS232 Adapter w/ Electronics to Retrofit a DB9 Female	19.25	17.50	17.00
895-DB9-USB-RS232-M	DB9-USB-M	A	USB to RS232 Adapter w/ Electronics to Retrofit a DB9 Male	19.25	17.50	17.00
895-DB9-USB-D3-F	DB9-USB-D3-F	B	USB to 3.3V Level UART Adapter w/ Electronics to Retrofit a DB9 Female	15.50	14.00	13.50
895-DB9-USB-D3-M	DB9-USB-D3-M	C	USB to 3.3V Level UART Adapter w/ Electronics to Retrofit a DB9 Male	15.50	14.00	13.50
895-DB9-USB-D5-F	DB9-USB-D5-F	B	USB to 5V Level UART Adapter w/ Electronics to Retrofit a DB9 Female	15.50	14.00	13.50

USB-COM-PLUS MODULES

MOUSER STOCK NO.	FTDI Part No.	Fig.	Description	Price Each 1	10	50
895-USB-COM232-PLUS1	USB-COM232-PLUS1	D	Full Speed USB to 1-Port RS232 Module, utilizes FT232R IC	19.00	17.10	15.20
895-USB-COM232-PLUS2	USB-COM232-PLUS2	E	Hi-Speed USB to 2-Port RS232 Module, utilizes FT2232H IC	34.00	30.60	27.20
895-USB-COM232-PLUS4	USB-COM232-PLUS4	F	Hi-Speed USB to 4-Port RS232 Module, utilizes FT4232H IC	49.00	44.10	39.20
895-USB-COM422-PLUS1	USB-COM422-PLUS1	D	Full Speed USB to 1-Port RS422 Module, utilizes FT232R IC	29.00	26.10	23.20
895-USB-COM422-PLUS2	USB-COM422-PLUS2	E	Hi-Speed USB to 2-Port RS422 Module, utilizes FT2232H IC	60.00	54.00	48.00
895-USB-COM422-PLUS4	USB-COM422-PLUS4	F	Hi-Speed USB to 4-Port RS422 Module, utilizes FT4232H IC	86.00	77.40	68.80
895-USB-COM485-PLUS1	USB-COM485-PLUS1	D	Full Speed USB to 1-Port RS485 Module, utilizes FT232R IC	26.00	23.40	20.80
895-USB-COM485-PLUS2	USB-COM485-PLUS2	E	Hi-Speed USB to 2-Port RS485 Module, utilizes FT2232H IC	40.00	36.00	32.00
895-USB-COM485-PLUS4	USB-COM485-PLUS4	F	Hi-Speed USB to 4-Port RS485 Module, utilizes FT4232H IC	60.00	54.88	51.22

FT2232H RASPBERRY PI USB HUB MODULE

MOUSER STOCK NO.	FTDI Part No.	Description	Price Each
895-RPI-HUB-MODULE	RPI-HUB-MODULE	USB HUB and USB to dual channel multi interface converter module designed for Raspberry Pi	33.76
Cable			
895-TTL-232R-RPI	TTL-232R-RPI	USB to UART, 3.3V TTL logic level, Raspberry Pi compatible flying leads	15.00

FT4232H USB HI-SPEED SERIAL/HUB MODULE

| MOUSER STOCK NO.	FTDI Part No.	Fig.	Description	Price Each 1	10	50
895-FT-MOD-4232HUB	FT-MOD-4232HUB	G	USB Hi-Speed Serial/Hub Module	35.00	31.80	30.00

MORPH-IC-II FPGA DEVELOPMENT MODULE

MOUSER STOCK NO.	FTDI Part No.	Fig.	Description	Price Each 1	5
895-MORPH-IC-II	MORPH-IC-II	H	USB Hi-Speed FPGA Development Module w/Altera Cyclone-II FPGA & FT2232H	110.00	99.00

FT230X GPS USB DONGLE

MOUSER STOCK NO.	FTDI Part No.	Fig.	Description	Price Each
895-FT-X-GPS	FT-X-GPS	I	USB Dongle for FT230X X-Chip	49.76

USB CABLE ASSEMBLIES WITH EMBEDDED ELECTRONICS

MOUSER STOCK NO.	FTDI Part No.	Fig.	Description	Price Each 1	10	50
895-C232HM-DDHSL-0	C232HM-DDHSL-0	J	USB to Hi-Speed SPI/I2C/JTAG Converter Cable - 0.5m, 3.3V w/LEDs	26.00	23.40	21.45
895-C232HM-EDHSL-0	C232HM-EDHSL-0	J	USB to Hi-Speed SPI/I2C/JTAG Converter Cable - 0.5m, 5V w/LEDs	26.00	23.40	21.45
895-C232HD-DDHSP-0	C232HD-DDHSP-0	K	USB to Hi-Speed UART Converter Cable - 1.8m, 3.3V w/LEDs	26.00	23.40	21.45
895-C232HD-EDHSP-0	C232HD-EDHSP-0	K	USB to Hi-Speed UART Converter Cable - 1.8m, 5V w/LEDs	26.00	23.40	21.45
895-TTL-232RG-VIP-WE	TTL-232RG-VIP-WE	L	USB to UART Cable User Specified Logic Levels, Wire Ended, w/LEDs	19.45	16.91	15.38
895-TTL232RGVSW3V3WE	TTL-232RG-VSW3V3-WE	L	USB to UART Cable Wire Ended, +3.3V Switched Power@50mA, w/LEDs	21.07	18.32	16.66
895-TTL232RGVSW5VWE	TTL-232RG-VSW5V-WE	L	USB to UART Cable Wire Ended, +5V Switched Power@450mA, w/LEDs	21.07	18.32	16.66
895-TTL232RGVREG1V8W	TTL-232RG-VREG1V8-WE	L	USB to UART Converter Cable Wire Ended, +1.8V TTL, 100mA, w/LEDs	24.64	21.42	19.48
895-TTL232RGVREG3V3W	TTL-232RG-VREG3V3-WE	L	USB to UART Converter Cable Wire Ended, +3.3V TTL, 250mA, w/LEDs	24.64	21.42	19.48
895-TTL-232R-3V3-WE	TTL-232R-3V3-WE	L	USB to TTL Serial Converter Cable - Wire Ended, 3.3V IOs	20.00	18.00	16.50
895-TTL-232R-5V-WE	TTL-232R-5V-WE	L	USB to TTL Serial Converter Cable - Wire Ended, 5V IOs	20.00	18.00	16.50
895-TTL-232R-3V3-PCB	TTL-232R-3V3-PCB	M	USB to TTL Serial Converter - PCB Assy w/ USB Connector, 3.3V IOs	15.00	13.50	12.38
895-TTL-232R-5V-PCB	TTL-232R-5V-PCB	M	USB to TTL Serial Converter - PCB Assy w/ USB Connector, 5V IOs	15.00	13.50	12.38
895-TTL-232R-3V3	TTL-232R-3V3	N	USB to TTL Serial Converter Cable - 3.3V IOs	20.00	18.00	16.50
895-TTL-232R-5V	TTL-232R-5V	N	USB to TTL Serial Converter Cable - 5V IOs	20.00	18.00	16.50
895-TTL-232R-3V3-2MM	TTL-232R-3V3-2MM	N	USB to TTL Serial Converter Cable - 8 Pin Header 2mm Pitch, 3.3V IOs	20.00	18.00	16.50
895-TTL-232R-3V3-AJ	TTL-232R-3V3-AJ	O	USB to TTL Serial Converter Cable - Audio Jack Connector, 3.3V IOs	20.00	18.00	16.50
895-TTL-232R-5V-AJ	TTL-232R-5V-AJ	O	USB to TTL Serial Converter Cable - Audio Jack Connector, 5V IOs	20.00	18.00	16.50
895-USBRS232WE1800BT	USB-RS232-WE-1800-BT_0.0	L	USB to RS232 Serial Converter Cable - Wire Ended, 1.8m w/LEDs	23.50	22.00	21.50
895-USBRS2321.8BT3.3	USB-RS232-WE-1800-BT_3.3	L	USB to RS232 Serial Converter Cable - Wire Ended, 1.8m, +3.3V, 75mA w/LEDs	23.50	22.00	21.50
895-USBRS2321.8BT5.0	USB-RS232-WE-1800-BT_5.0	L	USB to RS232 Serial Converter Cable - Wire Ended, 1.8m, +5V, 75mA w/LEDs	23.50	22.00	21.50
895-USBRS232WE5BT0.0	USB-RS232-WE-5000-BT_0.0	L	USB to RS232 Serial Converter Cable - Wire Ended, 5m w/LEDs	36.00	33.70	32.94
895-USBRS232WE5BT3.3	USB-RS232-WE-5000-BT_3.3	L	USB to RS232 Serial Converter Cable - Wire Ended, 5m, +3.3V, 75mA w/LEDs	36.00	35.12	35.12
895-USBRS232WE5BT5.0	USB-RS232-WE-5000-BT_5.0	L	USB to RS232 Serial Converter Cable - Wire Ended, 5m, +5V, 75mA w/LEDs	36.00	35.12	35.12
895-USBRS422WE1800BT	USB-RS422-WE-1800-BT	L	USB to RS422 Serial Converter Cable - Wire Ended, 1.8m w/LEDs	35.00	32.75	32.00
895-USBRS422WE5000BT	USB-RS422-WE-5000-BT	L	USB to RS422 Serial Converter Cable - Wire Ended, 5m w/LEDs	48.33	48.33	48.33
895-USBRS485WE1800BT	USB-RS485-WE-1800-BT	L	USB to RS485 Serial Converter Cable - Wire Ended, 1.8m w/LEDs	30.00	28.00	27.40
895-USBRS485WE5000BT	USB-RS485-WE-5000-BT	L	USB to RS485 Serial Converter Cable - Wire Ended, 5m w/LEDs	42.50	39.70	39.70
895-USB-RS232-PCBA	USB-RS232-PCBA	M	USB to RS232 Serial Converter - PCB Assy w/ USB Connector	18.00	16.85	16.47
895-USB-RS422-PCBA	USB-RS422-PCBA	M	USB to RS422 Serial Converter - PCB Assy w/ USB Connector	30.00	28.35	28.35
895-USB-RS485-PCBA	USB-RS485-PCBA	M	USB to RS485 Serial Converter - PCB Assy w/ USB Connector	25.00	23.63	23.63
895-UC232R-NE	UC2332R-NE	P	USB to RS232 Converter Cable, Open PCB - 10cm	18.00	16.00	14.50
895-CHIPI-X10	CHIPI-X10	Q	USB to RS232 Serial Converter Cable - 10cm	15.00	13.50	12.50
895-UC232R-10	UC232R-10	Q	USB to RS232 Serial Converter Cable - 10cm	18.50	17.00	15.50
895-US232R-10-BLK	US232R-10-BULK	R	Premium USB to RS232 Converter Cable - 10cm w/LEDs	22.00	19.50	18.75
895-US232R-100-BLK	US232R-100-BULK	R	Premium USB to RS232 Converter Cable - 1m w/LEDs	23.50	22.00	21.50
895-US232R-100-BST	US232R-100-BLISTER	R	Premium USB to RS232 Converter Cable - 1m w/LEDs & CD	25.00	23.50	22.50
895-US232R-500-BLK	US232R-500-BULK	R	Premium USB to RS232 Converter Cable - 5m w/LEDs	35.00	32.77	32.02
895-UT232R-200-BLK	UT232R-200-BULK	S	USB to RS232 Converter Cable - 2m w/ Thumb Screws	30.00	28.09	27.45
895-UT232R-500-BLK	UT232R-500-BULK	S	USB to RS232 Converter Cable - 5m w/ Thumb Screws	36.50	34.17	33.39
895-USB-NMC-2.5M	USB NMC-2.5M	T	USB UART to USB UART Null Modem Cable - 2.5m	35.00	33.75	32.50
895-USB-KEY	FTDI USB-KEY	U	USB Security Key Device	14.99	14.03	13.40

MOUSER ELECTRONICS

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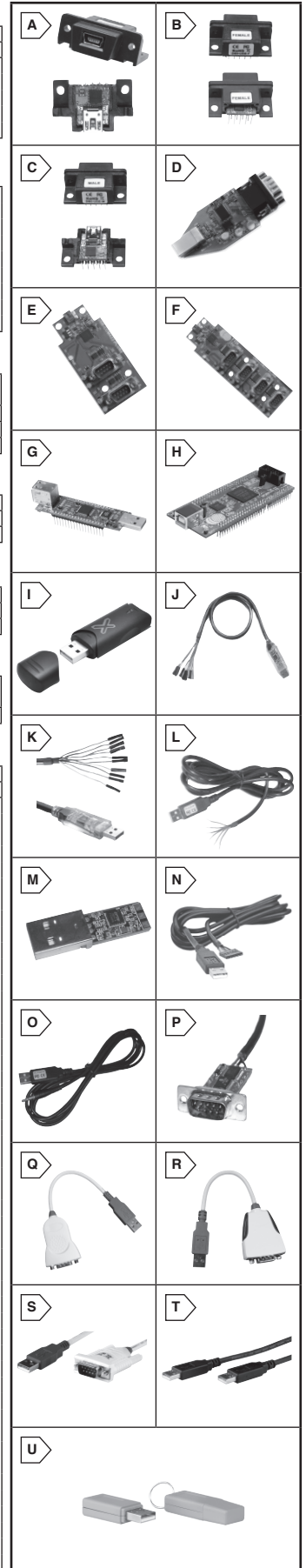
GRAVITECH Development Boards

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ARDUINO DEVELOPMENT BOARDS AND ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Microcontroller	Clock Speed (MHz)	Digital I/O Pins	Analog I/O Pins	Flash Memory (KB)	Description	Price Each
Mfr.	Mfr. Part No.							
992—	ARD-NANO30	ATmega328P	16	14	8	32	Arduino Nano 3.0	30.61
992—	ARD-NANO30NP	ATmega328	16	14	8	32	Arduino Nano 3.0 (NO-PIN)	28.86
992—	ARD-PRO-3	ATmega328	8	14	6	32	Arduino Pro - 3.3V	19.11
992—	ARD-PRO-5	ATmega328	8	14	6	32	Arduino Pro - 5V	19.11
992—	ARD-PRO-MINI-3	ATmega328	8	14	6	32	Arduino Pro Mini - 3.3V	18.05
992—	ARD-PRO-MINI-5	ATmega328	8	14	6	32	Arduino Pro Mini - 5V	18.05
992—	ARD-SEEED	ATmega168	16	14	8	16	Seeduino (Arduino compatible)	25.86
Accessories								
992—	2MOTOR-4NANO				2MOTOR w/ Feedback Control add-on for Arduino Nano			26.20
992—	7SEG-SHIELD				7 Segments Display Arduino Shield			46.86
992—	ARD-PROGRAMMER				Arduino LilyPad/Pro/ProMini Programmer			14.61
992—	ARD-TERM				Terminal Adapter for the Arduino Nano			13.11
992—	ETHERNET-4NANO				Ethernet w/ MicroSD add-on for Arduino Nano			37.19
992—	MP3-4NANO				MP3 Player add-on for Arduino Nano			34.95
992—	USBHOST-4NANO				USBHOST add-on for Arduino Nano			21.84
992—	XBEE-4NANO				XBee add-on for Arduino Nano			21.84

ADAPTER BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
992—	SD-ADP	3.3V, 250mA, 11-pin, SD/MMC Card Adapter	15.93
992—	MICROSD-ADP	3.3V or 5.0V, 8-pin, MicroSD Card Adapter	14.05
992—	XBEE-ADP3	3.3V, XBee Adapter	9.36
992—	XBEE-ADP5	5.0V, Xbee Adapter	11.24
992—	XBEE-USB	XBee to USB Adapter	26.24

BREAKOUT BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
992—	BNC-TERM	BNC 50 Ohm Breakout Board	6.12
992—	DB9F-TERM	DB9 Female Breakout Board	7.60
992—	DB9M-TERM	DB9 Male Breakout Board	7.60
992—	DB15F-VGA-TERM	DB15 Female Breakout Board	9.62
992—	DB25F-TERM	DB25 Female Breakout Board	15.74
992—	DB25M-TERM	DB25 Male Breakout Board	15.74
992—	FT232RL-BO	FT232RL USB to UART Breakout Board	14.34
992—	RJ11-TERM	RJ11 Breakout Board	6.99
992—	RJ45-TERM	RJ45 Breakout Board	7.60
992—	USB-TERM	USB Breakout Board	7.49

CONVERTER BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
992—	USB-SER-NANO-3V3	Nano Small +3.3V USB to UART Converter	16.94
992—	USB-SER-NANO-5	Nano Small +5V USB to RS-232 Converter	16.94
992—	RS232-ADP	Serial RS-232 UART Adapter	17.13
992—	XBEE-ADP3	XBee Adapter 3.3V	9.36
992—	XBEE-ADP5	XBee Adapter 5V	11.24
992—	XBEE-USB	XBee to USB Adapter	26.24
992—	VS1011-TH	VS1011 MP3 Decoder Module	29.91

MICRO INTERFACE BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
I2C Series			
992—	I2C-16IO	I2C 16-Bit GPIO Expander	14.86
992—	I2C-ADC	I2C 12-Bit, 8-CH Analog-To-Digital Converter	18.61
992—	I2C-ACC	I2C ±2.0g Dual Axis Accelerometer	23.26
992—	I2C-7SEG	I2C 4-DIGIT 7-Segment Display	20.11
992—	I2C-DAC	I2C 8-Bit DAC Digital-Analog Converter	13.95
992—	I2C-OSC	I2C 1KHZ to 68MHz Programmable Oscillator	17.49
992—	I2C-RTC	I2C Real-Time Clock	16.74
992—	I2C-TMP	I2C 12-Bit Digital Temperature Sensor	13.95
992—	I2C-TRN	Dual Bidirectional I2C Voltage-Level Translator	13.11
BusIO Series			
992—	MR-BUSIO-RELAY	BusIO Relay Board	6.55

MICRO INTERFACE BOARDS (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
Mini Series			
992—	MR-MINI-4X4KEY	4x4 Matrix Keyboard Board	12.18
992—	MR-MINI12BITDAC	Mini 12-BIT Digital-to-Analog Converter	24.92
992—	MR-MINI-DC-MOTOR	Mini DC Motor	29.91
992—	MR-MINI-DUALPWR5	Mini ±5V Power Supply Board	24.92
992—	MR-MINIDUALPWR12	Mini ±12V Power Supply Board	24.92
992—	MR-MINILVLSHIFTR	Mini +5V <=> +3.3V Level Shifter	11.24
992—	MR-MINI-RTC	Mini I2C Real Time Clock (RTC)	18.94
992—	MR-MINISTEPMOTOR	Mini Stepping Motor Board	24.92
Debug Series			
992—	MR-TEST10P4RELAY	10 PIN MRconnect 4-CH Relay Card	32.80
992—	MR-TEST10P-8LED	10PIN MRconnect 8-LED	9.36
992—	MR-TEST10PSWLED	10PIN MRconnect 8-Slide Switch	14.95

PICAXE BOARD

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
992—	MICRO-101	USB Powered MICRO-101 Kit	39.99

COMPONENTS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
Adapters			
992—	JACK21-M-TERM	2.1mm Power Jack Breakout Adapter - M	2.75
992—	JACK21-F-TERM	2.1mm Power Barrel Jack Breakout Adapter - F	2.75
992—	9V1A-21-POS-WALL	9V, 1A, 2.1mm Positive Adapter	8.69
992—	9V1A-21-NEG-WALL	9V, 1A, 2.1mm Negative Adapter	8.69
992—	9V1A-25-POS-WALL	9V, 1A, 2.5mm Positive Adapter	8.69
992—	9V1A-25-NEG-WALL	9V, 1A, 2.5mm Negative Adapter	8.69
992—	12V1A-25-POSWALL	12V, 1A, 2.5mm Positive Adapter	8.69
992—	12V1A-25-NEGWALL	12V, 1A, 2.5mm Positive Adapter	8.69
Cables			
992—	JACK35-TERM	3.5mm Stereo Jack	6.12
992—	JST-21MM	JST to 2.1mm Barrel Jack	3.89
992—	JST-RB	JST Red/Black Cable 130mm	1.33
992—	USB-21MM	USB to 2.1mm Power Jack Cable	4.39
Relay			
992—	QUICK-RELAY2	Quick2 Relay Voltage Current Controller	14.87
Sensors and Switches			
992—	PIR-SEN	PIR Motion Sensor	10.91
992—	BUTT-12-5	Momentary Push Button Switches - 12mm Square 6 colors	6.20
992—	JOY-ARC	Arcade Joystick - Short Handle	15.91
Sockets			
992—	15FX1-254MM	2.54mm (0.1") 15-pin Female header Arduino Nano Socket	1.05
992—	4FX2-254MM	2.54mm (0.1") 4-pin Dual Row Female Header	.98
992—	20MX2-254MM	2.54mm (0.1") 20-pin Dual Row Male Header	1.40
992—	20MX1RA-254MM	2.54mm (0.1") 20-pin Break Away Male Header Right Angle	1.40
Terminal Block			
992—	BB-TERM3	3-Position Terminal Block Breakout	3.49

INTEL Embedded Modules

intel

RoHS Compliant **This page of product is RoHS compliant.**

NEXT UNIT OF COMPUTING (NUC)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Intel Part No.	Description	Price Each 1	10
Intel® Atom™ NUC E3815				
607-BLKDE3815TYBE	BLKDE3815TYBE	Intel® Bay Trail E3815 Board, UCFF, 1.46GHz, 8GB RAM, 64MB, 1333/1600MHz DDR3L-1067	126.02	124.32
607-BLKDE3815TYKH0E	BLKDE3815TYKH0E	Intel® Bay Trail E3815 Kit, UCFF, 1.46GHz, 8GB RAM, 64MB, 1333/1600MHz DDR3L-1067	164.38	162.16
Intel® Celeron® NUC N2820				
607-BOXDN2820FYKH0	BOXDN2820FYKH0	Intel® Celeron® Processor N2820, UCFF, 2.4GHz, Up to 8GB RAM, 1333/1600MHz DDR3L	164.38	162.16
Intel® NUC Celeron 847				
607-BOXDCCP847DYE	BOXDCCP847DYE	QS77 Express, Intel® UCFF, 1.1GHz, Up to 16GB RAM, 64MB 1066/1333MHz DDR-3	190.41	187.83
Intel® NUC i3 vPRO				
607-BOXDC3217IYE	BOXDC3217IYE	QS77 Express, Intel 3217U, UCFF, 1.8GHz, Up to 16GB RAM, 32MB 1333/1600MHz DDR-3	332.00	323.37
607-BLKD33217GKE	BLKD33217GKE	QS77 Express, Intel® 37217U, UCFF, 1.8GHz, Up to 16GB RAM, 64kB 1333/1600MHz DDR-3 without Enclosure	298.66	290.90
607-BLKD34010WYB	BLKD34010WYB	QS77 Express, Intel i3-4250U, UCFF, 1.3GHz, Up to 16GB RAM, 64MB 1600/1333MHz DDR3	312.00	303.89
607-BOXD34010WYK	BOXD34010WYK	QS77 Express, Intel i3-4010U, UCFF, 1.7GHz, Up to 16GB RAM, 64MB 1600/1333MHz DDR3	345.33	336.36
Intel® NUC i5 vPRO				
607-BOXDC53427HYE	BOXDC53427HYE	QS77 Express, Intel 3427U, UCFF, 1.8GHz, Up to 16GB RAM, 32MB 1333/1600MHz DDR-3	478.66	466.23
607-BLKDC53427RKE	BLKDC53427RKE	QS77 Express, Intel® 3427U, UCFF, 1.8GHz, Up to 16GB RAM, 32MB 1333/1600MHz DDR-3 without Enclosure	445.33	433.76
607-BLKD54250WYB	BLKD54250WYB	QS77 Express, Intel i5-4250U, UCFF, 1.3GHz, Up to 16GB RAM, 64MB 1600/1333MHz DDR3	418.66	407.79
607-BOXD54250WYK	BOXD54250WYK	QS77 Express, Intel i5-4250U, UCFF, 1.3GHz, Up to 16GB RAM, 64MB 1600/1333MHz DDR3	452.00	440.26

INDUSTRIAL SOLUTIONS SYSTEM CONSOLIDATION SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Intel Part No.	Description	1	10
607-SCS110K	SCS110K	Intel Core i7, MXE-5301 ADLINK Tech Hardware, Wind River Hypervisor v2.0, Linux v5.0, VxWorks v6.9 ISSC Development Kit	4485.00	-
607-SCS110P	SCS110P	Intel Core i7-2710QE, 16GB, MXE-5301 ADLINK Tech Hardware, Wind River Hypervisor v2.0, Linux v5.0, VxWorks v6.9 ISSC Production Kit	3717.33	-

SOLID STATE DRIVES (SSD)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Intel Part No.	Configuration	Memory	Read/Write (MB/s)	Power (mW) Idle	Active	Latency (µs) Read	Write	Interface	Operating Temperature (°C)	Price Each 1	10	50
DC S3500 Series													
607-SSDSC1NB080G401	SSDSC1NB080G401	MLC	80GB	340/100	600	2000	50	65	SATA - 6.0Gb/s	0 to +70	138.15	132.91	132.91
607-SSDSC2BB080G401	SSDSC2BB080G401	MLC	80GB	340/100	800	2000	50	65	SATA - 6.0Gb/s	0 to +70	125.00	123.37	120.25
607-SSDSC2BB120G401	SSDSC2BB120G401	MLC	120GB	50/65	800	2300	50	65	SATA - 6.0Gb/s	0 to +70	164.47	158.22	158.22
607-SSDSC2BB160G401	SSDSC2BB160G401	MLC	160GB	475/175	900	2500	50	65	SATA - 6.0Gb/s	0 to +70	217.10	208.86	208.86
607-SSDSC1NB240G401	SSDSC1NB240G401	MLC	240GB	500/260	600	3500	50	65	SATA - 6.0Gb/s	0 to +70	355.26	341.77	341.77
607-SSDSC2BB240G401	SSDSC2BB240G401	MLC	240GB	500/260	900	3100	50	65	SATA - 6.0Gb/s	0 to +70	296.05	284.81	284.81
607-SSDSC2BB300G401	SSDSC2BB300G401	MLC	300GB	500/315	650	500	50	65	SATA - 6.0Gb/s	0 to +70	388.15	373.41	373.41
607-SSDSC1NB400G401	SSDSC1NB400G401	MLC	400GB	500/380	600	4500	50	65	SATA - 6.0Gb/s	0 to +70	596.15	574.07	-
607-SSDSC2BB480G401	SSDSC2BB480G401	MLC	480GB	500/410	900	4300	50	65	SATA - 6.0Gb/s	0 to +70	525.64	506.17	-
607-SSDSC2BB600G401	SSDSC2BB600G401	MLC	600GB	500/410	900	4500	50	65	SATA - 6.0Gb/s	0 to +70	737.17	709.87	-
607-SSDSC2BB800G401	SSDSC2BB800G401	MLC	800GB	500/450	900	5000	50	65	SATA - 6.0Gb/s	0 to +70	949.36	914.63	-
607-SSDSC1NB800G401	SSDSC1NB800G401	MLC	800GB	500/450	-	-	-	-	SATA - 6.0Gb/s	0 to +70	889.00	849.00	849.00
530 Series													
607-SSDSCKGW080A401	SSDSCKGW080A401	MLC	80GB	540/480	55	140	80	85	SATA - 6.0Gb/s	0 to +70	111.84	110.39	107.59
607-SSDSC2BW080A401	SSDSC2BW080A401	MLC	80GB	540/490	55	140	80	85	SATA - 6.0Gb/s	0 to +70	98.68	97.40	94.93
607-SSDMCEAW080A401	SSDMCEAW080A401	MLC	80GB	540/480	55	140	80	85	SATA - 6.0Gb/s	0 to +70	111.84	110.39	107.59
607-SSDSC2BW120A401	SSDSC2BW120A401	MLC	120GB	540/480	55	140	80	85	SATA - 6.0Gb/s	0 to +70	125.00	123.37	120.25
607-SSDMCEAW120A401	SSDMCEAW120A401	MLC	120GB	540/480	55	140	80	85	SATA - 6.0Gb/s	0 to +70	125.00	123.37	120.25
607-SSDSC2BW120A4K5	SSDSC2BW120A4K5	MLC	120GB	540/490	125	195	80	85	SATA - 6.0Gb/s	0 to +70	138.15	132.91	132.91
607-SSDSCKHW120A401	SSDSCKHW120A401	MLC	120GB	540/480	55	140	80	85	mSATA - 6.0Gb/s	0 to +70	111.84	110.39	107.59
607-SSDSC2BW180A401	SSDSC2BW180A401	MLC	180GB	540/490	55	140	80	85	SATA - 6.0Gb/s	0 to +70	177.63	170.88	170.88
607-SSDSC2BW180A4K5	SSDSC2BW180A4K5	MLC	180GB	540/490	125	195	80	85	SATA - 6.0Gb/s	0 to +70	190.78	183.54	183.54
607-SSDSC2BW240A401	SSDSC2BW240A401	MLC	240GB	540/490	55	140	80	85	SATA - 6.0Gb/s	0 to +70	217.10	208.86	208.86
607-SSDSC2BW240A4K5	SSDSC2BW240A4K5	MLC	240GB	540/490	125	195	80	85	SATA - 6.0Gb/s	0 to +70	230.26	221.51	221.51
607-SSDMCEAW240A401	SSDMCEAW240A401	MLC	240GB	540/490	55	140	80	85	SATA - 6.0Gb/s	0 to +70	217.10	208.86	208.86
607-SSDSC2BW480A401	SSDSC2BW480A401	MLC	480GB	540/490	55	140	80	85	SATA - 6.0Gb/s	0 to +70	388.15	373.41	373.41

UNISTONE BLUETOOTH MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Intel Part No.	Package	Supply Voltage (Max.) (V)	Frequency Band (GHz)	Data Rate (Mbps)	Output Power (dBm)	Sensitivity (dBm)	Operating Temperature (°C)	Antenna Connector Type	Price Each 1	10	50
607-PBA31308V202SLU	PBA31308V2.02 S LJYU	11.6x8.7mm	4.1	2.4	3	4.5	-86	-40 to +85	External	10.20	9.55	8.49
607-PBA31309V1.0SL64	PBA31309V1.00 S LK64	15.6x8.7mm	4.1	2.4	3.25	4.5	-86	-40 to +85	Integrated	10.79	10.10	8.98

ADAPTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Intel Part No.	Description	Price Each 1	10
Server				
607-E10G41BFSR	E10G41BFSR	Intel® X520-SR1, Intel® 82599ES, Single Port, LC Fiber Optic, PCI Express 2.0, 5.0GT/s, x8 Lane	784.00	763.63
607-E10G42AFDA	E10G42AFDA	Intel® 82599EB, Dual Port, SFP+ Direct Attach Copper, PCI Express 2.0, 2.5GT/s, x8 Lane	745.33	725.97
607-E10G42BFSR	E10G42BFSR	Intel® X520-SR2, Intel® 82599ES, Dual Port, LC Fiber Optic, PCI Express 2.0, 5.0GT/s, x8 Lane	1036.00	971.25
607-E10G42BT	E10G42BT	Intel® X540-T2, Intel® 82599EB, Dual Port, Rj-45 Copper, PCI Express 2.0, 5.0GT/s, x8 Lane	852.00	829.87
607-E10G42BTDA	E10G42BTDA	Intel® X520-DA2, Intel® 82599ES, Dual Port, SFP+ Direct Attach Copper, PCI Express 2.0, 5.0GT/s, x8 Lane	532.00	518.18
607-E1G42EF	E1G42EF	Intel® 10 Gigabit Multi-Port, Intel® 82576, Dual Port, LC Fiber Optic, PCI Express 2.0, 2.5GT/s, x4 Lane	820.00	798.70
607-E1G42ET	E1G42ET	Intel® 10 Gigabit Multi-Port, Intel® 82576, Dual Port, RJ45, PCI Express 2.0, 2.5GT/s, x4 Lane	204.11	201.35
607-E1G42ETBLK	E1G42ETBLK	Intel® 10 Gigabit Multi-Port, Intel® 82576, Dual Port, RJ45, PCI Express 2.0, 2.5GT/s, x4 Lane	184.93	182.43
607-E1G44ET2	E1G44ET2	Intel® 10 Gigabit Multi-Port, Intel® 82576, Quad Port, RJ45, PCI Express 2.0, 2.5GT/s, x4 Lane	500.00	487.01
607-E1G44ET2BLK	E1G44ET2BLK	Intel® ET2 Gigabit, Multi-Port, 82576, Quad Port, RJ45-Copper, PCI Express 2.0, 2.5GT/s, x4 Lane	478.66	466.23
607-E1G44HF	E1G44HF	Intel® I340-F4 Gigabit, Multi-Port, 82580, Quad Port, RJ45-Copper, PCI Express 2.0, 5.0GT/s, x4 Lane	1118.66	1048.75
607-E1G44HT	E1G44HT	Intel® 10 Gigabit Multi-Port, Intel® 82580, Quad Port, RJ45-Copper, PCI Express 2.0, 5.0GT/s, x4 Lane	324.00	315.58
607-E1G44HTBLK	E1G44HTBLK	Intel® I340-T4 Gigabit, Multi-Port, 82580, Quad Port, RJ45-Copper, PCI Express 2.0, 5.0GT/s, x4 Lane	308.00	300.00
607-EXPI9402PF	EXPI9402PF	Intel® PRO/1000 PF, Intel® 82571GB, Dual Port, Fiber Optic, PCI Express 2.0, 2.5GT/s, x4 Lane	865.33	842.85
607-EXPI9402PFBLK	EXPI9402PFBLK	Intel® PRO/1000 PF, 82571GB, Dual Port, Fiber, PCI Express 1.0a, x4 Lane	786.66	766.23
607-EXPI9402PT	EXPI9402PT	Intel® PRO/1000 PT, Intel® 82571GB, Dual Port, Copper, PCI Express 1.0a, 2.5GT/s, x4 Lane	206.84	204.05
607-EXPI9402PTBLK	EXPI9402PTBLK	Intel® PRO/1000 PT, Intel® 82571GB, Dual Port, Copper, PCI Express 1.0a, 2.5GT/s, x4 Lane	187.67	185.13
607-EXPI9404PTL	EXPI9404PTL	Intel® PRO/1000 PT, Intel® 82571GB, Quad Port, Copper, PCI Express 1.0a, 2.5GT/s, x4 Lane	505.33	492.20
607-EXPI9404PTLBLK	EXPI9404PTLBLK	Intel® PRO/1000 PT, 82571GB, Quad Port, Copper, PCI Express 1.0a, x4 Lane	490.66	477.92
607-EXPX9502CX4	EXPX9502CX4	Intel® 10 Gigabit CX4, Intel® 82598EB, Dual Port, Copper, PCI Express 2.0, 2.5GT/s, x8 Lane	800.00	779.22
607-I350F2BLK	I350F2BLK	Ethernet Server Adapter I350-F2	477.33	464.93
607-I350T2	I350T2	Intel® I350-T2, Dual Port, Rj-45 Copper, PCI Express 2.0, 5.0GTs, x4 Lane	173.97	171.62
607-I350T2BLK	I350T2BLK	Intel® I350-T2, Dual Port, Rj-45 Copper, PCI Express 2.0, 5.0GTs, x4 Lane	163.01	160.81
607-I350T4	I350T4	Intel® I350-T4, Quad Port, Rj-45 Copper, PCI Express 2.0, 5.0GTs, x4 Lane	396.00	385.71
607-IQA89501G1P5	IQA89501G1P5	Ethernet QuickAssist Adapter 8950 SCCP	958.66	921.79
607-PWLA8492MF	PWLA8492MF	Intel® PRO/1000 MF Gigabit, Dual Port, Fiber, PCI Express 1.0, x4 Lane	901.33	877.92
607-X540T1	X540T1	Intel® X540-T1, Intel® X540, Single Port, Rj-45 Copper, PCI Express 2.1, 5.0GT/s, x8 Lane	425.33	414.28

LANTRONIX Embedded Device Servers

LANTRONIX®

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Lantronix offers Ethernet and 802.11 wireless networking solutions for end users and manufacturers alike. Their embedded modules enable OEMs to add full Ethernet and/or wireless connectivity to their products so they can be managed over a network or the Internet – at a fraction of the time and expense required to develop an in-house solution. And Lantronix products offer the highest levels of data security available today.

XPICO™ - EMBEDDED DEVICE SERVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
Device Servers			
515—	TWR-LTRX-XPWK	xPico™ Wi-Fi Tower Module for Freescale Tower System w/xPico Wi-Fi Module	73.00
515—	XPC100100B-01	xPico™ Device Server Module - Bulk Package	29.30
515—	XPC100100S-01	xPico™ Device Server Module - Sample Package	33.59
515—	XPC10010MB	xPico™ IAP Device Server Module, Extended Temp, Modbus	30.53
515—	XPW100100B-01	xPico™ Wi-Fi Device Server	29.56
515—	XPW100100S-01	xPico™ Wi-Fi— IEEE 802.11 b/g/n Device Server Module	47.85
Development Tools			
515—	XPC100100K-02	xPico™ Development Server Kit PoE Supply, USB, Module	105.33
515—	XPC100A002-01-B	Module thermal pad	22.50
515—	XPW100100K-01	xPico™ Wi-Fi Device Server Evaluation Kit with xPico Wi-Fi Module	133.32
515—	XPCW1001000AR-K	xPico™ Wi-Fi Arduino Shield	55.31
515—	XPCW1001000RP-K	xPico™ Wi-Fi Raspberry Pi Plate	55.31
515—	XPW100A003-01-B	xPico™ Wi-Fi PCB Strip Antenna	3.60

xPico Device Shown

XPORT®/XPORT® AR/XPORT® PRO™ - EMBEDDED DEVICE SERVERS

XPort® is the most compact, integrated solution available to web-enable any device with a serial interface. By simply adding XPort® to a product design, device manufacturers can now offer Ethernet connectivity as a standard feature within weeks—instantly increasing product value, enhancing end-user experience and facilitating new service delivery options.

✳ XPort® Pro™ Module Sold Separately. † Debug probe for development kits sold separately

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
Device Servers			
515—	XP1001000-05R	XPort® XE, Extended Temp, without Encryption	53.24
515—	XP1002000-05R	XPort® SE, Extended Temp, with Encryption	54.30
515—	XP100200S-05R	XPort® SE, Extended Temp - Xport SE Sample with Encryption	54.50
515—	XP3002000-01R	XPort® AR, Extended Temp - Bulk Package	64.75
515—	XP300200S-01R	XPort® AR, Extended Temp - Sample Package	68.35
515—	XPD1001000-01	XPort® Direct+™ Device Networking Module	48.75
515—	XPDNC2000-01	XPort® Direct+™ NC Device Networking Module, no RJ45, Jack	29.00
515—	XPP1002000-02R	XPort® Pro™ XE Extended Temp with encryption with Evolution OS	67.78
515—	XPP100200S-02R	XPort® Pro™ XE Extended Temp with encryption with Evolution OS - Sample	71.00
515—	XPP1004000-02R	Xport® Pro Lx6 (IPv6) Linux Networking Module for M2M Application Development	55.74
515—	XPP100400S-02R	Xport® Pro Lx6 (IPv6) Extended Temp. - Sample	60.09
Debugger, Boards, Kit, and Accessories			
✳ 515—	XP10010NMK-01	XPort® Universal Demonstration Board and Evaluation Kit	95.63
515—	XP300200K-01	XPort® AR with Eval Board, Cables, Power Supply and Software; Commercial Temp; Encryption	189.00
† 515—	XPD100100K-01	XPort® Direct+™ Device Networking Module, Kit	119.00

XPort® Pro™ Shown

MATCHPORT® - EMBEDDED DEVICE SERVERS ACCESSORIES AND KITS

✳ MatchPort® sample must be purchased separately.

† Must be ordered separately for the MPDK1000-LNX-02 kit.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
Device Servers			
515—	MP1001000G-01	MP b/g Wireless Device Server	59.38
515—	MP1002000G-01	MP b/g Wireless Device Server, AES	61.25
515—	MP100200SG-01	MP b/g Wireless Device Server, AES, Sample	67.50
515—	MPP3002000G-01	MP b/g Pro 802.11 Wireless Device Server	119.00
515—	MPP300200SG-01	MP b/g Pro 802.11 Wireless Device Server, Sample	124.00
515—	MPR300200S-01	MP AR Embedded Device Server, AES, Sample	49.95
515—	MPR3002000-01	MP AR Embedded Device Server, AES	47.50
515—	MPR400300S-01	MP AR with 8MB of Flash with Evolution OS, Sample	56.25
515—	MP5002000-01	MP NR Device Server AES Bulk	48.00
515—	MP500200S-01	MP NR Device Server AES Bulk Sample	51.00
515—	MPR400200S-01	MP AR Module with 8MB of Flash with Linux OS, Sample	56.25
515—	MPR4002000-01	MP AR Module with 8MB of Flash with Linux OS, Bulk	58.10
Antennas			
515—	930-033-R	MP b/g and MP b/g Pro 2.4GHz 802.11b/g Antenna	8.50
515—	500-180-R-ACC	MP b/g and MP b/g Pro Antenna Cable (6in.) U.FL to R-SMA	3.93
515—	500-181-R-ACC	MP b/g and MP b/g Pro Antenna Cable (6in.) U.FL to U.FL	3.93
Debugger and Kits			
✳ 515—	MP10010NMK-01	MP Universal Demonstration Kit	105.33
515—	MPDK1000-LNX-02	MP AR Linux Dev Kit (with BDM Debugger Connector)	400.00
† 515—	930-060-R	P&E Micro-computer systems USB Multilink Debugger	375.00
515—	MPDK1000-01	MP AR Development Kit	995.00

MatchPort® AR Linux Kit Shown

PREMIERWAVE®/PREMIERWAVE® EN - EMBEDDED DEVICE SERVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
515—	PEN100100A-01	PremierWave EN Development Server with Internal Antenna	144.00
515—	PEN10010SA-01	PremierWave EN Development Server with Internal Antenna, Sample	183.55
515—	PEN10010NA-01	PremierWave EN Development Server with out Internal Antenna	142.67
515—	PEN10010NASA-01	PremierWave EN Development Server with out Internal Antenna, Sample	155.06
515—	PWSE1000100B	PremierWave® SE1000 Linux SoM Ethernet 64MB Flash	86.41
515—	PWSE1000200B	PremierWave® SE1000 Linux SoM Ethernet 256MB Flash	89.52
Development Tools			
515—	PWDK1000-01	PremierWave Development Kit (module not included)	246.84
515—	PWEV1000-01	PremierWave Evaluation Board (module not included)	229.11

PEN100100A-01 Shown

LANTRONIX Embedded and External Device Servers **LANTRONIX**®

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EXTERNAL DEVICE SERVERS

PremierWave® XC GSM/GPRS Device Servers

Features:
- Provide network connectivity to virtually any device with a serial port
- Standard and customizable serial data rates from 300 to 921Kbps
- Quad-band: 850/900/1800/1900 MHz
- Modes: Software selectable RS-232/422/485
- Universal power supply
- Antenna: 2dBi, 50Ohm, SMA Connector

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
515—	PXC2102G2-01	PremierWave XC GSM/GPRS Secure Device Server, Universal Power Supply	375.06
515—	PXC2102G201WYTMS	PremierWave XC/Wyless Network Service Bundle and PremierWave XC GPRS Application Server	342.00
515—	PXC2102H2-01-S	PremierWave XC HSPA+ Intelligent Gateway and Application Server	570.57
515—	PXC2102H201WYTMS	PremierWave XC/Wyless T-Mobile Network Service Bundle and PremierWave XC HSPA+	579.00

PremierWave® XC GSM/GPRS Device Server

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
515—	PXN210002-01U	PremierWave XN Ethernet and 802.11n Device Server	319.00

PremierWave® XC GSM/GPRS Device Server

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
515—	ACDIN4001-01-S	DIN Rail Adapter for PremierWave® XC and XN GSM/GPRS Device Servers	10.00

xDirect™ Serial-to-Ethernet Device Servers

Lantronix xDirect™ is a sleek and compact Serial-to-Ethernet device server, providing quick and easy Ethernet connectivity to virtually any device or machine with a serial interface. With an integrated Ethernet port and serial cable, multiple power options including PoE, and an industry-best five year warranty, xDirect provides a portable, extremely flexible, and highly affordable network connectivity solution.

Features:
- Complete network connectivity solution
- Integrated 10/100 Ethernet Port and Serial Cable
- Complete device server app with full IP Stack and Web Server
- Space saving form factor
- Up to 921.6Kbps data rate
- 128/192/256-bit AES encryption
- Flexible power options including PoE
- Extended temp. range of -40°C to 85°C
- 5-year limited warranty

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
515—	XDT10P0-01-S	xDirectPoE RS232/422/485 10/100 Serial to Ethernet Server	129.95
515—	XDT10P0IA-01-S	xDirect-IAP PoE Device Server	129.95
515—	XDT2321002-01-S	xDirect232 RS232 10/100 Serial to Ethernet Server	99.95
515—	XDT4851002-01-S	xDirect485 RS232/422/485 10/100 Serial to Ethernet Server	109.95
515—	XDT4851002IA-01S	xDirect-IAP Device Server	109.95
Adapter			
515—	140-448-R	9-pin Null Modem Gender Changer	8.33

XSenso™ Analog Device Servers

Features:
- Channels: (2) Differential inputs (screw terminal connections)
- Authentication, up to 256-bit encryption, SSL, SSH
- Dynamic web based monitoring, charting, and data logging
- Email and text message alert notification

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
515—	XSO210000-01-S	xSenso2100 Two analog input device server, input power range 9-30VDC	235.00
515—	XSO21A200-01-S	xSenso21A2 Two analog input, two analog output device controller, input power range 9-30VDC	329.00
515—	XSO21R200-01-S	xSenso21R2 Two analog input, two mechanical relay output device controller, input power range 9-30VDC	279.00

UDS/MSS100/EDS1100 - External Device Servers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
515—	PXN210002-01U	PremierWave XN Ethernet and 802.11n Device Server	319.00
515—	UD1100001-01	UDS1100 1-port Device Server, US Domestic Power 120VAC Power Supply	149.00
515—	UD11000P0-01	UDS1100 1-port Device Server, Power over Ethernet, 802.3AF	199.00
515—	UD2100001-01	UDS2100 two-port 10/100 Device Server, US Domestic 120VAC Power Supply	229.00
515—	ACDIN1001-01	Optional DIN-rail Mount	12.00
515—	ED1100002-01	1 Port Secure DevSer Global Power Supply	214.00
515—	ED2100002-01	2 Port Secure DevSer Global Power Supply	260.00
515—	ED2100002-LNX-01	EDS2100 2Port RS232 422/485 Linux SDK	260.00

xPrintServer® Office Edition Print Server

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
515—	XPS1002FC-01-S	Office Edition xPrintServer - USB port, 100-240VAC International power supply with regional adapters	199.95

xPrintServer® Cloud Print Edition Print Server

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
515—	XPS1002CP-01-S	xPrintServer-Cloud Print Edition, USB Port, 100-240VAC, International Power Supply w/Regional Adapters	171.85

Industrial Device Servers

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
515—	IBIO21002-01	IntelliBox-I/O 2100 - 2 port IA device and I/O server with EventTrak	330.00
515—	X92000001-01	XPress-Pro SW 92000 - Hardened -34-74°C 8-Port 10/100TX Ethernet Switch with Din Rail	206.00
515—	XSDR22000-01	XPress-DR+ - 2 port industrial dev server w/ dual switched Ethernet ports and industrial protocols	398.00
515—	XSDR22W00-01	XPress-DR+W - 2 port 802.11 wireless dev server, 9-30VDC and 9-24VAC	449.00
515—	XSDRSN-02	XPress-DR - Industrial Device Server Standard Part	354.00
515—	XSDRIN-02	XPress-DR-IAP - Industrial Device Server with installable industrial protocols	385.00
515—	UD1100IA2-01	UDS1100-IAP, 1 DB25F DCE serial port, software-selectable RS232, RS422 or RS485,	179.00
Accessories			
515—	500-163	DB25M to DB9F Serial Cable - 6ft.	10.00
515—	500-171-R	DB25M to RS485 and Power Input Screw Terminal Adapter	27.00

PXC2102G2-01 Shown

XDT2321002-01-S Shown

XSO210000-01-S Shown

XPS1002CP-01-S Shown

IntelliBox-I/O Shown

MIDE TECHNOLOGY Energy Harvesting

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ENERGY HARVESTING CONDITIONING CIRCUIT

Features:
- Converts the AC output from a piezoelectric energy harvester to a regulated DC output
- Simple and Easy Charge Management for Vibration Energy Harvesting
- Integrates directly with all Volture™ Energy Harvesters
- Parallel or Series Piezoelectric Connection– Improved Efficiency
- User Selectable DC Output (1.8 V, 2.5 V, 3.3 V, 3.6 V)

Applications:
- Industrial Health Monitoring Network Sensors
- Condition Based Maintenance Sensors
- All Air, Land, and Sea Vehicle Sensors
- Battery and Hard Wired Power Replacement
- Mobile Asset Tracking
- Tire Pressure Sensors
- Oil and Gas Sensors
- Wireless HVAC Sensors

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mide Technology Part No.	Fig.	Input Voltage (Max.) (V)	Input Capacitance (µF)	Output Capacitance (µF)	Quiescent Current UVLO (nA)	Price Each
509-EHE004	EHE004	A	18	200	10	450	85.00

PIEZOELECTRIC VIBRATION ENERGY HARVESTERS WITH VOLTURE™

Features:
- Low Cost
- Robust Packaging

Applications:
- Helicopter
- Oil and Gas
- Building Automation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mide Technology Part No.	Fig.	Capacitance (µF)	Bandwidth (Hz)	Frequency Range (Hz)	No. of Piezos	Price Each
509-V21B	V21B	B	0.004	3	80-205	2	65.00
509-V21BL	V21BL	C	0.004	3	45-155	2	63.00
509-V22B	V22B	D	0.0142	2	120-360	2	48.00
509-V22BL	V22BL	E	0.0142	2	26-110	2	48.00
509-V20W	V20W	F	0.2	3	75-175	2	85.00
509-V25W	V25W	F	0.33	3	60-140	2	85.00

PIEZOELECTRIC SENSOR AND ACTUATORS

Features:
- Packaged Piezos
- Robust Packaging
- Easy Connection
- Increased Life-Time
- Hermetically Sealed

Applications:
- Vibration and Strain Sensing
- Passive Vibration/Strain Detection
- Precise Actuation
- Electronics Cooling

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mide Technology Part No.	Fig.	Capacitance (µF)	Full Scale Voltage Range (V)	No. of Piezos	Operating Temperature (°C)	Price Each
Bonded							
509-QP10N	QP10N	G	0.06	±200	1	-40 to +90	56.00
509-QP10NI	QP10NI	H	0.0012	±120	1	-40 to +90	86.00
509-QP16N	QP16N	G	0.137	±120	1	-40 to +90	47.00
509-QP10W	QP10W	I	0.06	±200	1	-40 to +90	63.00
Non-Bonded							
509-QP20N	QP20N	J	0.12	±200	2	-40 to +90	72.00
509-QP20W	QP20W	K	0.2	±200	2	-40 to +90	76.00
509-QP21B	QP21B	L	0.1238	±100	2	-40 to +90	63.00
509-QP22B	QP22B	M	0.0142	±100	2	-40 to +90	47.00

FLEXIBLE CONFORMABLE PIEZOELECTRIC TRANSDUCER

Features:
- Conformable
- Packaged Piezos
- Easy Connection
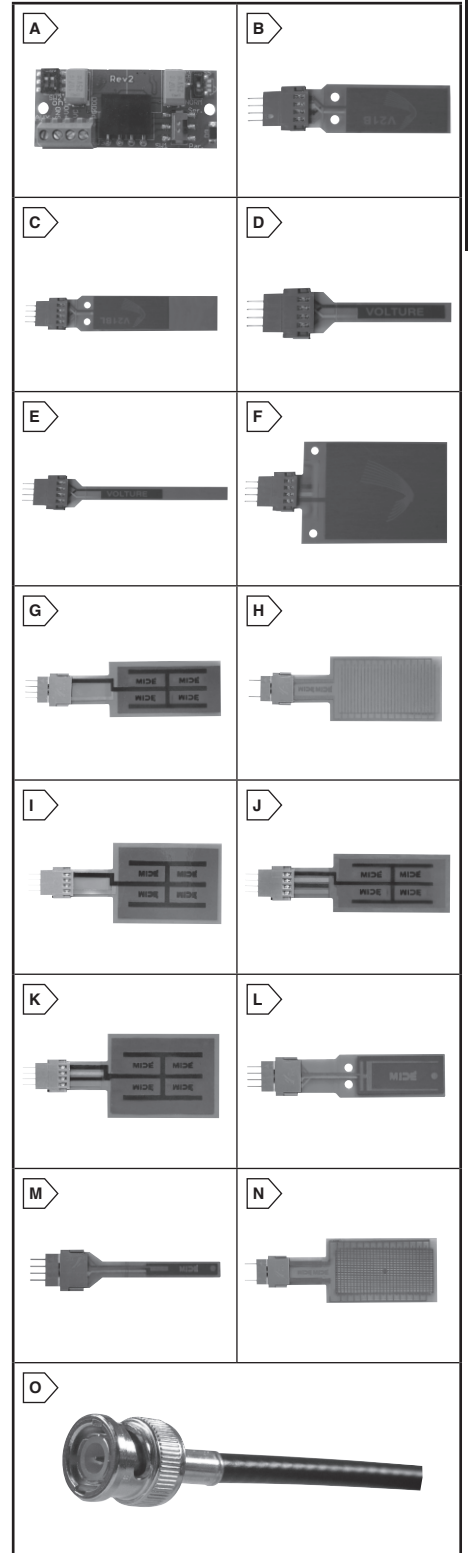- Increased Life-Time
- Hermetically Sealed

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mide Technology Part No.	Fig.	Capacitance (µF)	Full Scale Voltage Range (V)	No. of Piezos	Operating Temperature (°C)	Price Each
509-PA16N	PA16N	N	0.105	±120	1	-40 to +90	165.00

QUICKPACK CABLES AND KIT

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mide Technology Part No.	Fig.	Description	For Use With	Price Each
509-CB-13	CB-13	O	Connects one 2-layer QuickPack actuator for operation in bending (to operate as a bimorph)	QP20W, QP20N	47.00
509-CB-15	CB-15	O	Connects two 1-layer QuickPack actuators for operation in extension, out-of-phase (to control bending moment of structure like a cantilever beam)	QP10W, QP10N	76.00
Kit					
509-CB-16	CB-16	-	Bimorph Accessory Kit with clamp assembly and CB-16 Cable (BNC Term)	QP21B, QP22B	92.00

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MIKROELEKTRONIKA Development Products

MikroElektronika
DEVELOPMENT TOOLS | COMPILERS | BOOKS

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DEVELOPMENT BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MikroElektronika Part No.	Description	Price Each
Analog			
932-MIKROE-957	MIKROE-957	Analog System Lab/Development System	119.00
PIC/DSPIC			
932-MIKROE-995	MIKROE-995	EasyPIC Pro v7	169.00
932-MIKROE-798	MIKROE-798	EasyPIC v7 Development System	149.00
932-MIKROE-1153	MIKROE-1153	EASYPIC v7 dsPIC30 Development System	149.00
932-MIKROE-701	MIKROE-701	PIC/DSPIC UNI-DS6 Development System	149.00
932-MIKROE-465	MIKROE-465	PICPLC16 v6 PLC Development System	159.00
932-MIKROE-766	MIKROE-766	Ready For PIC Box Version	29.00
932-MIKROE-997	MIKROE-997	EasyPIC v7 PIC18F87J50 Development System	21.00
932-MIKROE-998	MIKROE-998	EasyPIC v7 PIC18F8722 Development System	21.00
932-MIKROE-1000	MIKROE-1000	EasyPIC v7 PIC18F87J60 Devlopment System	16.63
932-MIKROE-1205	MIKROE-1205	EasyPIC v7 dsPIC33 FUSION	179.00
932-MIKROE-1206	MIKROE-1206	EasyPIC v7 PIC32MX795F512L Eth	29.90
932-MIKROE-1207	MIKROE-1207	EasyPIC v7 dsPIC33EP512MU810 FUSION	25.90
932-MIKROE-1208	MIKROE-1208	EasyPIC v7 dsPIC33FJ256GP710A FUSION	25.90
932-MIKROE-1209	MIKROE-1209	EasyPIC v7 PIC24EP512GU810 FUSION	25.90
932-MIKROE-1210	MIKROE-1210	EasyPIC v7 PIC32MX460F512L FUSION	25.90
932-MIKROE-1280	MIKROE-1280	PIC Ready2 Board 28-pin DIP	29.00
932-MIKROE-1399	MIKROE-1399	PIC/dsPIC Plus Board for PIC32MX7	174.13
AVR			
932-MIKROE-1385	MIKROE-1385	EasyAVR v7 Development System	148.95
932-MIKROE-977	MIKROE-977	Ready For AVR Board	29.00
932-MIKROE-793	MIKROE-793	Ready for XMEGA Development Board	35.00
ARM			
932-MIKROE-972	MIKROE-972	EasyMX Pro v7 ARM Stellaris Cortex-M3	169.00
932-MIKROE-650	MIKROE-650	144-pin ARM mikroBoard for UNI-DS6 System	46.00
932-MIKROE-1043	MIKROE-1043	EasyMX Pro v7 ARM Stellaris Cortex-M4	24.00
932-MIKROE-1367	MIKROE-1367	MINI-M4 small ARM Cortex M-4	28.95
932-MIKROE-1368	MIKROE-1368	MINI-M4 small ARM Cortex M-4 for Stellaris	28.95
932-MIKROE-1397	MIKROE-1397	mikroMedia Plus for STM32® ARM®	174.13
932-MIKROE-1398	MIKROE-1398	mikroMedia Plus for Stellaris® ARM®	174.13
932-MIKROE-1518	MIKROE-1518	MINI-M0 for STM32® ARM® Cortex-M0	25.38
Tiva™			
932-MIKROE-1504	MIKROE-1504	mikroMedia 5 for Tiva™	217.88
8051			
932-MIKROE-598	MIKROE-598	Big8051 Development System	147.88
932-MIKROE-703	MIKROE-703	40-pin AT89S8253 AVR 8051 mikroBoard for UNI-DS6 System	54.90
STM32			
932-MIKROE-1102	MIKROE-1102	mikroMedia STM32 M4 WITH STM32F407VGT6	99.00
932-MIKROE-1045	MIKROE-1045	mikroMedia ATMEGA WITH ATMEGA1280	86.62
932-MIKROE-1099	MIKROE-1099	EasyMx PRO v7 FOR STM32	169.00
Shields			
932-MIKROE-1417	MIKROE-1417	mikroMedia Plus for STM32® Shield	30.63
932-MIKROE-1437	MIKROE-1437	PIC/dsPIC Plus Shield for PIC32MX7	30.63
932-MIKROE-1447	MIKROE-1447	Discovery Shield for STM32F3 Discovery Board	25.38
932-MIKROE-1512	MIKROE-1512	Raspberry Pi Click™ Shield Unsoldered	4.95
932-MIKROE-1513	MIKROE-1513	Raspberry Pi Click™ Shield Soldered	5.08

MULTIMEDIA BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MikroElektronika Part No.	Description	Price Each
932-MIKROE-755	MIKROE-755	mikroMedia for ATXMega 128A1	99.00
932-MIKROE-1159	MIKROE-1159	mikroMedia For dsPIC33EP	99.00
932-MIKROE-607	MIKROE-607	mikroMMB PIC18FJ Multimedia Board	99.00
932-MIKROE-608	MIKROE-608	mikroMMB PIC24 Multimedia Board	99.00
932-MIKROE-1160	MIKROE-1160	mikroMedia For PIC24EP	99.00
932-MIKROE-597	MIKROE-597	mikroMMB PIC32 Multimedia Board	86.63
932-MIKROE-433	MIKROE-433	mikroMMB PIC32MX4 Multimedia Board	130.38
932-MIKROE-1189	MIKROE-1189	mikroMedia For PIC Workstation v7	129.00

PROGRAMMERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MikroElektronika Part No.	Description	Price Each
932-MIKROE-1100	MIKROE-1100	mikroProg FOR ARM STM32 M3 / M4	49.00
932-MIKROE-1031	MIKROE-1031	mikroProg For Arm Stellaris Cortex-M3	49.00
932-MIKROE-764	MIKROE-764	PIC DSPIC and PIC32 Programmer	99.00
932-MIKROE-1382	MIKROE-1382	mikroProg for 8051 USB Programmer	69.00
932-MIKROE-1383	MIKROE-1383	mikroProg for AVRProg2 USB Programmer	59.00
932-MIKROE-1449	MIKROE-1449	mikroProg for PSoC 5LP ARM Cortex-M3	60.38

SOFTWARE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MikroElektronika Part No.	Description	Price Each
932-MIKROE-928	MIKROE-928	USB Key - mikroBASIC Pro ARM	199.00
932-MIKROE-722	MIKROE-722	mikroBasic Pro AVR	159.00
932-MIKROE-724	MIKROE-724	mikroBasic Pro DsPIC30/33 and Pic24	159.00
932-MIKROE-726	MIKROE-726	USB Key - mikroBASIC Pro PIC	159.00
932-MIKROE-728	MIKROE-728	mikroBasic Pro PIC	199.00
932-MIKROE-499	MIKROE-499	PIC MCU Programming in BASIC	24.00
932-MIKROE-936	MIKROE-936	USB Key - mikroC Pro ARM	239.00
932-MIKROE-732	MIKROE-732	mikroC Pro AVR	199.00
932-MIKROE-734	MIKROE-734	mikroC Pro DsPIC30/33 and PIC24	199.00
932-MIKROE-736	MIKROE-736	USB Key - mikroC Pro PIC	199.00
932-MIKROE-738	MIKROE-738	mikroC Pro Pic	249.00
932-MIKROE-790	MIKROE-790	USB Key - Visual GLCD	79.00

ACCESSORY BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MikroElektronika Part No.	Description	Price Each
ADC/DAC			
932-MIKROE-922	MIKROE-922	ADC mikroBus Module	24.00
932-MIKROE-950	MIKROE-950	DAC mikroBus Module	18.00

ACCESSORY BOARDS (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	MikroElektronika Part No.	Description	Price Each
Adapters and Connectors			
932-MIKROE-1025	MIKROE-1025	EasyINPUT Adapter Board	5.16
932-MIKROE-1142	MIKROE-1142	EasyTFT Adapter Board	35.00
932-MIKROE-196	MIKROE-196	Flat Cable IDC10 Connector	3.11
932-MIKROE-1133	MIKROE-1133	GPS L10 mikroBUS Adapter Click Board	38.50
932-MIKROE-1425	MIKROE-1425	ZIF FPC 0.5mm Straight Connector	4.50
932-MIKROE-1432	MIKROE-1432	3.3V or 5.0V, mikroBUS to IDC10 Adapter Click Board	5.69
932-MIKROE-1433	MIKROE-1433	3.3V or 5.0V, mikroBUS USB Adapter Click Board	25.38
932-MIKROE-1434	MIKROE-1434	3.3V CR95HF mikroBUS Rfid Click Adapter Board	25.38
932-MIKROE-1435	MIKROE-1435	3.3V CC2500 mikroBUS ccRF Click Adapter Board	19.25
932-MIKROE-1436	MIKROE-1436	3.3V IF-D91, IF-E97 mikroBUS Fiber Optic Click Adapter Board	29.75
932-MIKROE-1444	MIKROE-1444	3.3V or 5.0V mikroBUS Thunder Click Adapter Board	30.63
932-MIKROE-1445	MIKROE-1445	3.3V, VCNL4010 mikroBUS Proximity Click Adapter Board	14.88
932-MIKROE-1470	MIKROE-1470	5.0V IF-D91, IF-E97 mikroBUS Fiber Optic Click Adapter Board	29.75
932-MIKROE-1471	MIKROE-1471	1 meter, 1mm Plastic Optical Fiber (FOP) Jacketed Cable	2.95
932-MIKROE-1473	MIKROE-1473	5 meter, 1mm Plastic Optical Fiber (FOP) Jacketed Cable	9.95
932-MIKROE-1475	MIKROE-1475	13.56MHz, RFID Round Transponder Tag	2.95
932-MIKROE-1203	MIKROE-1203	USB UART Click mikroBus Adapter Board	13.90
932-MIKROE-1204	MIKROE-1204	USB SPI Click mikroBus Adapter Board	13.90
932-MIKROE-1294	MIKROE-1294	8x8 Y Click YELLOW LED Adapter Board	15.00
932-MIKROE-1295	MIKROE-1295	8x8 R Click RED LED Adapter Board	15.00
932-MIKROE-1296	MIKROE-1296	T Click ADuM1411 mikroBus Adapter Board	26.00
932-MIKROE-1303	MIKROE-1303	ST-Link v2 Adapter Board	4.38
932-MIKROE-1489	MIKROE-1489	3.3V, mikroBUS Altitude Click™ Adapter Board	14.50
Audio			
932-MIKROE-945	MIKROE-945	Piezo Speaker mikroBus Module	7.87
932-MIKROE-946	MIKROE-946	Audio mikroBus Module - MP3	21.90
932-MIKROE-1534	MIKROE-1534	3.3V, SpeakUp Click™ Add-On Board	39.00
Case/Enclosure			
932-MIKROE-1350	MIKROE-1350	Ready for PIC-AVR Casing (Gray)	15.00
Communications			
932-MIKROE-987	MIKROE-987	Bee Click mikroBus Version	29.00
932-MIKROE-958	MIKROE-958	Bluetooth Click mikroBus Version	41.90
932-MIKROE-986	MIKROE-986	CAN-SPI Click 3.3V mikroBus Version	21.00
932-MIKROE-1032	MIKROE-1032	EasyGPS Click mikroBus Version	49.00
932-MIKROE-971	MIKROE-971	Eth (Ethernet) Click mikroBus Version	24.00
932-MIKROE-1135	MIKROE-1135	WiFi PLUS Click mikroBus Version	45.00
932-MIKROE-925	MIKROE-925	RS485 interface Click mikroBus Module	18.00
932-MIKROE-989	MIKROE-989	RS485 Click 3.3V mikroBus Version	18.00
932-MIKROE-1195	MIKROE-1195	IrDA2 Click mikroBus Version	25.90
932-MIKROE-1297	MIKROE-1297	DALI Click mikroBus Version	25.00
932-MIKROE-1304	MIKROE-1304	nRF C Click mikroBus Version	16.63
932-MIKROE-1305	MIKROE-1305	nRF T Click mikroBus Version	14.00
932-MIKROE-1361	MIKROE-1361	IrThermo Click mikroBus Version	29.00
932-MIKROE-1366	MIKROE-1366	OSD Click mikroBus Version	35.00
932-MIKROE-1370	MIKROE-1370	RELAY Click mikroBus Version	15.75
932-MIKROE-1374	MIKROE-1374	GPS2 Click mikroBus Version	44.00
932-MIKROE-1298	MIKROE-1298	GSM Click mikroBus add-on Board	49.00
932-MIKROE-1375	MIKROE-1375	GSM2 Click mikroBus Version	44.00
932-MIKROE-1377	MIKROE-1377	IR Click mikroBus Version	8.31
932-MIKROE-1379	MIKROE-1379	Gyro Click mikroBus Version	21.88
932-MIKROE-1386	MIKROE-1386	Compass Click mikroBus Version	25.00
932-MIKROE-1307	MIKROE-1307	8x8 B Click mikroBUS™ form factor	15.75
932-MIKROE-1387	MIKROE-1387	4-20mA R Click™ mikroBUS™ form factor	22.75
932-MIKROE-1389	MIKROE-1389	Bluetooth2 Click™ features BLUEGIGA WT41 Bluetooth® 2.1 with iWRAP firmware	51.63
932-MIKROE-1396	MIKROE-1396	Current Click™	21.00
932-MIKROE-1421	MIKROE-1421	FTDI Click™ dual high speed USB 2.0 to UART/I2C/SPI serial interface converter	25.38
932-MIKROE-1422	MIKROE-1422	Pressure Click™ features LPS331AP	21.88
932-MIKROE-1423	MIKROE-1423	BarGraph Click™ with JSB-R102510Z	10.50
932-MIKROE-1424	MIKROE-1424	Light Click™ PIN photodiode	15.75
932-MIKROE-1428	MIKROE-1428	GSM Booster is a pin-compatible replacement for Telit GM862-QUAD module	60.38
932-MIKROE-1429	MIKROE-1429	ConnectEVE functions	60.38
932-MIKROE-1430	MIKROE-1430	EVE Click™ mikroBUS™ form factor	34.13
932-MIKROE-1431	MIKROE-1431	FM Click™ with Si4703 IC is a complete FM radio tuner in the form of add-on board	25.38
932-MIKROE-1506	MIKROE-1506	3.3V, mikroBUS JOYSTICK Click™ Accessory Board	22.00
932-MIKROE-1527	MIKROE-1527	CC3000 Click™ mikroBUS™ WiFi Add-on Board	42.00
932-MIKROE-1446	MIKROE-1446	Capsense Click™ mikroBUS™ Accessory Board	16.00
Displays			
932-MIKROE-240	MIKROE-240	GLCD 128x64 with Touchpanel	21.00
932-MIKROE-464	MIKROE-464	TFT Touchscreen LCD 320x240 2.83"	25.28
932-MIKROE-241	MIKROE-241	LCD Touch Panel 2.8"	6.81
932-MIKROE-4	MIKROE-4	Graphic LCD 128x64	14.88
932-MIKROE-55	MIKROE-55	LCD 2x16 LCD Board	9.80
932-MIKROE-1201	MIKROE-1201	7 Segment click mikroBus Version	8.75
932-MIKROE-762	MIKROE-762	SmartGLCD 240x128 GLCD Board	77.88
932-MIKROE-495	MIKROE-495	TFT Proto 320x240 Proto Adapter Board	31.00
932-MIKROE-1401	MIKROE-1401	4.3" TFT Color Display 480x272 with Touch Screen for Click Board	33.00
932-MIKROE-1439	MIKROE-1439	2.8" microTFT Touch Screen Breakout Board	27.13
Measurement			
932-MIKROE-949	MIKROE-949	Temperature & Humidity mikroBus Module	26.00
932-MIKROE-1194	MIKROE-1194	3-axis Accelerometer Click mikroBus Version	16.63
932-MIKROE-1197	MIKROE-1197	Thermocouple Click mikroBus Version	29.00
932-MIKROE-990	MIKROE-990	LightHz Click mikroBus Version	17.90

NETBURNER Embedded Modules

**Products may be RoHS compliant.** Check mouser.com for RoHS status.

NetBurner
Networking in 1 Day!

32-BIT 10/100 ETHERNET CORE PROCESSOR MODULES

NetBurner core modules allow you to quickly and easily create an embedded product, create a network-enabled product, or add network connectivity to an existing product. These modules can be used as the main processor or as a secondary network co-processor. Features include: 10/100 Ethernet, digital, analog and serial control.

A **B**

Core Modules

For quantities greater than listed, call for quote.
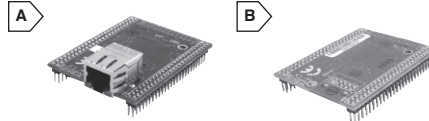
MOUSER STOCK NO.	Netburner Part No.	Fig.	Clock	Flash	RAM	UARTs	GPIO	Timers	Operating Temperature	Price Each 1	10	25	50
820-MOD5234-100IR	MOD5234-100IR	A	147MHz	2MB	8MB	3	47	8	-40°C to +85°C	127.80	123.23	114.43	106.80
820-MOD5270-100IR	MOD5270-100IR	A	147MHz	512KB	2MB SD	3	47	8	-40°C to +85°C	79.00	77.00	75.00	74.00
820-MOD5272-100IR	MOD5272-100IR	A	62MHz	2MB	8MB SD	2	22	4	-40°C to +85°C	139.00	129.46	120.21	112.20
820-MOD5282-100IR	MOD5282-100IR	A	66MHz	512KB	8MB SD	3	50	16	-40°C to +85°C	139.00	129.00	119.00	109.00
820-MOD5270-200IR	MOD5270-200IR	B	66MHz	512KB	8MB SD	3	50	16	-40°C to +85°C	90.79	89.61	88.46	87.34

Development Kit Contents:
- 32-bit Core Processor Module
- Development Board
- CD-ROM
- Network Cables
- Serial Cable
- 12 Volt Power Supply for US/Canada

RoHS Compliant

MOD5270 Development Kit

MOUSER STOCK NO.	Netburner Part No.	Description	Price Each
820-NNDK-MOD5234-KIT	NNDK-MOD5234-KIT	MOD5234 Development Kit	299.00
820-NNDK-MOD5270-KIT	NNDK-MOD5270-KIT	MOD5270 Development Kit	299.00
820-NNDK-MOD5272-KIT	NNDK-MOD5272-KIT	MOD5272 Development Kit	299.00
820-NNDK-MOD5282-KIT	NNDK-MOD5282-KIT	MOD5282 Development Kit	299.00

32-BIT MOD5213 HIGH PERFORMANCE EMBEDDED PROCESSOR MODULE

Process Specifications:
- 32-bit Freescale ColdFire 5213 running at 66MHz

Hardware Specification:
- 32KB SRAM
- 256KB Flash
- MAC Module and HW Divide
- Low-power optimization
- Four 32-bit timer channels with DMA capability
- Four 16-bit timer channels with capture/compare/PWM
- 4-channel 16-bit/8-channel 8-bit PWM generator
- Two periodic interrupt timers (PITs)
- 4-channel DMA controller
- 8-channel 12-bit ADC
- Up to 33 general-purpose I/O
- System integration (PLL, SW watchdog)
- CAN 2.0B controller with 16 message buffers
- Three UARTs with DMA capability

Software Development:
- NetBurner Development Kit includes: Mod5213 Development Board, Real-Time OS, C/C++ Compiler, Integrated Development Environment (IDE), Graphical Debugger, configuration and deployment tools.
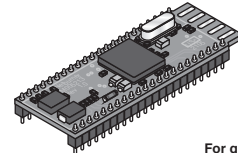
Connectors:
- Two standard single row 20-pin 0.1" headers
- PIN Dimensions: 1.9" x 0.6"

Physical Characteristics:
- Industry Standard 40-pin DIP
- Dimensions: 2.0" x 2.6"

Power Requirements:
- DC Input Voltage: 4V - 7V, or 3.3V Regulated
- Operating current: 120mA Environmental
- Operating Temperature: -40°C ~ +85°C

RoHS Compliant

MOD5213 Module

For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Netburner Part No.	Price Each 1	10	25	50
820-MOD5213-100IR	MOD5213-100IR	39.00	37.50	36.00	35.00

MOD5213 Development Kit

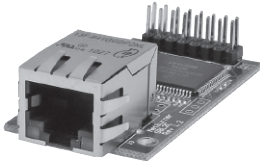| MOUSER STOCK NO.	Netburner Part No.	Price Each
820-NNDK-MOD5213-KIT	NNDK-MOD5213-KIT	99.00

SBL2E SERIAL TO ETHERNET MODULE

Features:
- 32-bit Freescale Coldfire 52236 @ 50MHz
- Two TTL serial ports
- RS-232, RS422/485 ready (require external level shifter)
- Four 12-bit analog to digital inputs
- Up to 10 General Purpose I/O Signals
- 10/100 Ethernet
- Serial to Ethernet over TCP or UDP
- DHCP/Static IP Support
- Baud rates up to 115,200 bps
- Custom packetization options
- Hardware and software flow control
- Web Based Configuration

Development Kit Contents:
- SBL2e-200IR
- SBL2e-ADPT-100CR evaluation board

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Netburner Part No.	Description	Price Each 1	10	25	50
SBL2e Processor Boards						
820-SBL2E-100IR	SBL2e-100IR	Board with On-board Ethernet Jack	33.00	31.50	31.50	31.50
820-SBL2E-200IR	SBL2e-200IR	Board with 10-pin Ethernet Jack Header	30.00	29.50	29.50	29.50
Development Kits						
820-EVAL-SBL2E-KIT	EVAL-SBL2e-KIT	Evaluation Kit	99.00	-	-	-
820-NNDK-SBL2E-KIT	NNDK-SBL2e-KIT	Software Development kit	299.00	-	-	-

SB7X 32-BIT SERIAL-TO-ETHERNET PROCESSOR BOARDS
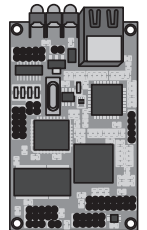
SB70 Processor Board Features:
- Processor: 32-bit Freescale ColdFire 5270 with integrated 10/100 Ethernet MAC
- Speed: 145MPS @ 150MHz
- Network Interface: 10/100BaseT with RJ-45 Jack
- Flash Memory: 512KB
- SDRAM: 2MB
- Power Requirements: 480mA @ 5V
- LEDs: Link, Speed/Data, Power
- Network Protocols: ARP, DHCP, BOOTP, TCP, UDP, ICMP, Telnet, HTTP, SNMP
- Dimensions: 3.25" x 2"

Development Kit Contents:
- SBXX Processor Board
- Adapter board to assist in development. It is not required to operate. The adapter board includes a switching power supply, RS-232 level shifters and two DB-9 connectors
- CD-ROM containing source code, development tools, manuals and documentation
- Cross-wired and straight-through twisted pair network cables
- Serial cable
- 12 VDC power supply (US and Canada only)

RoHS Compliant

SB70 Processor Board

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Netburner Part No.	Price Each 1	10	25	50
820-SB70-100CR	SB70-100CR	92.00	84.15	80.99	77.84

MOD72 Development Kit

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Netburner Part No.	Price Each
820-NNDK-SB72-KIT	NNDK-SB72-KIT	149.00

SB72-EX DUAL PORT SERIAL-TO-ETHERNET EXTERNAL DEVICE

SB72-EX to Network-Enable Existing Applications:
The SB72-EX network-enables serial devices right out of the box. No programming or development is required; the SB72-EX is pre-programmed to convert RS-232, RS-422, RS-485, and TTL data to Ethernet, enabling communication with the serial device over a network or the Internet. The onboard web server provides easy device configuration using a standard web server.

Hardware Specifications:
- 10/100BaseT with RJ-45 connector
- 32-bit Motorola ColdFire 5272 with integrated 10/100 Ethernet
- 2MBytes flash, 8MBytes of SDRAM
- Power: 12V, 500mA
- Operating Temperature: 0°C to 70°C
- Dimensions: 4.2" x 3.0"
- Weight 5 oz
- UL and CUL approvals
- LEDs: Link, Speed/Data, Power
- The 2 UARTS can be configured:
  Two RS-232 ports
  One RS-232 port, one RS-485/422 port (full or half duplex)

Network Protocols Supported:
- ARP, DHCP, BOOTP, TCP, UDP, ICMP, Telnet, HTTP, SNMP

Note: additional protocols supported with development kit.

Back View

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For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Netburner Part No.	Price Each 1	10	25	50
820-SB72-EX-100CR	SB72-EX-100CR	179.00	168.79	161.85	155.46

PARALLAX BASIC Stamp Modules and Accessories PARALLAX

Products may be RoHS compliant. Check mouser.com for RoHS status.

BASIC STAMP MODULES

BASIC Stamps are small computers with 8 or 16 I/O lines that can be connected to TTL level devices and also, with a few extra components, solenoids, relays, and RS232 networks. Their simple language and easy interfacing make BASIC Stamps ideal for many applications for industrial, educational, and hobbyist customers. BASIC Stamps require only editor software, a prototype area, and cable to get started. Each BASIC Stamp has on board it's own non-volatile EEPROM, voltage regulator, resonator, and microcontroller.
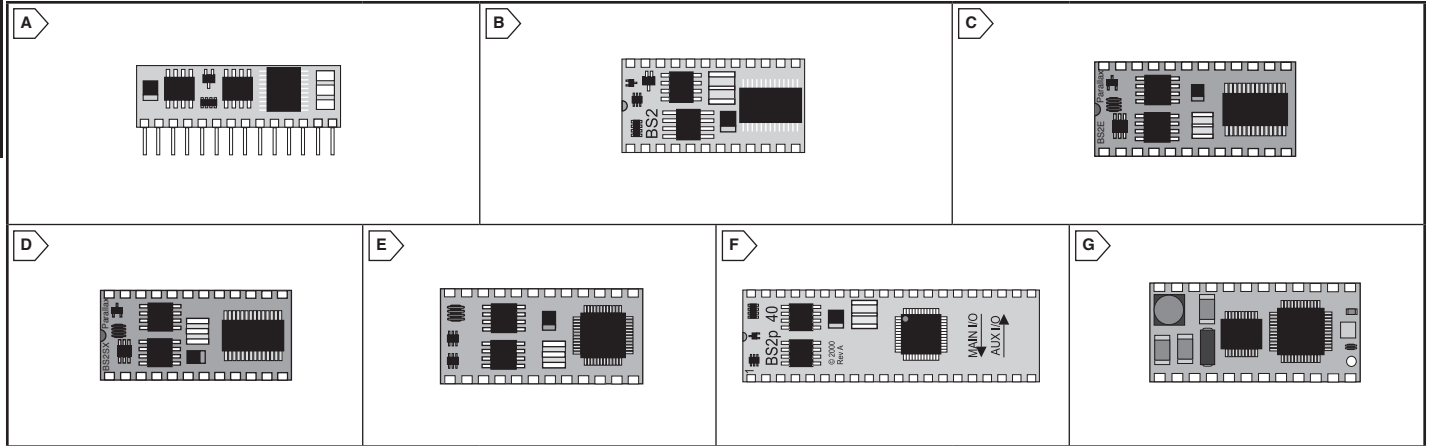
• Operating Temperature at 70% Non-Condensing Humidity: 0°C to +70°C † Plus 2 Dedicated Serial I/O Pins

MOUSER STOCK NO.	Parallax Part No.	Fig.	Package	Microcontroller	EEPROM Size (Bytes)	Speed	I/O Pins	PBASIC Commands	Interface (Port)	Operating Voltage	Price Each 1	10	25
619-BS1-IC	BS1-IC	A	SIP-14	Microchip PIC16C56c	256	4MHz	8 †	32	Parallel	5 - 15VDC	28.59	23.68	23.65
619-BS2-IC	BS2-IC	B	DIP-24	Microchip PIC16C57c	2K	20MHz	16†	36	Serial	5 - 15VDC	57.90	55.00	51.56
619-BS2E-IC	BS2E-IC	C	DIP-24	Ubicom SX28AC	8 x 2K	20MHz	16†	39	Serial	5 - 12VDC	63.38	57.04	53.86
619-BS2SX-IC	BS2SX-IC	D	DIP-24	Ubicom SX28AC	8 x 2K	50MHz	16†	39	Serial	5 - 12VDC	59.00	53.10	50.15
619-BS2P24-IC	BS2P24-IC	E	DIP-24	Ubicom SX48AC	8 x 2K	20MHz Turbo	16†	55	Serial	5 - 12VDC	79.00	71.10	67.15
619-BS2P40-IC	BS2P40-IC	F	DIP-40	Ubicom SX48AC	8 x 2K	20MHz Turbo	32†	55	Serial	5 - 12VDC	82.15	69.83	65.72
619-JS1-IC	JS1-IC	G	DIP-24	Ubicom SX48BD	32768	25MHz Turbo	16	0 (Java)	Serial	6 - 24VDC (unreg)	89.99	79.99	73.99

For quantities greater than listed, call for quote.

BASIC STAMP DISCOVERY KIT - SERIAL (WITH USB ADAPTER AND CABLE)

Our most popular BASIC Stamp microcontroller is the BS2-IC module. Widely used in education, hobby, and industry, this module has enough program space, execution speed, and I/O pins for many applications. Now featured with the What's a Microcontroller curriculum and parts kit, this Starter Kit has our highest recommendation. The Discovery Kit is an incredible value!

Build over 40 Hands On Projects
With the latest edition of this kit, you will receive the What's a Microcontroller? (WAM) parts and text making the Discovery Kit a bona fide "Getting Started" kit. With the WAM kit you'll get your feet wet through a series of over 40 activities designed to provide you with the best possible introduction to the world of BASIC Stamp modules. The text contains clear explanations, defines electronics terms in a friendly manner, and most importantly builds your confidence so you can start building your own electronics inventions.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-EDSTR-KIT	27207	Basic Stamp Discovery Kit Serial with USB Adapter	119.99
619-27807	27807	Basic Stamp Discovery Kit USB	119.99

SX TECH TOOL KIT/SX CHIPS/PROGRAMMERS AND PROTO BOARDS

The popular SX Tech Tool Kit is an excellent starting point to get you developing SX projects with Parallax's SX-Key programming tool. Upon receiving the kit, you will be able to program SX chips within the hour. A power supply is not included.

The SX-Key is Parallax's primary development tool for the SX line of microcontrollers, supporting every chip that is commercially available. Using the free SX-Key software, the SX-Key programming tool can program SX chips in-system and perform in-circuit source-level debugging. Also at the user's fingertips is an on-board programmable clock. The frequency output of this clock is adjusted from the software with a slider bar between 400kHz and 100MHz. The software operates on Win98/NT/2K/XP platforms.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-28015	28015	PING))) Ultrasonic Sensor	32.49
619-900-00008	900-00008	Parallax (Futaba) Continuous Rotation Servo	12.24
619-900-00005	900-00005	Parallax (Futaba) Standard Servo	11.36
619-28017	28017	Memsic 2125 Dual-axis Accelerometer	29.99
619-27977	27977	Parallax 2x16 Serial LCD (Backlit)	29.99
619-28031	28031	Parallax USB to Serial (RS-232) Adapter with Cable	17.18
619-27979	27979	Parallax 4x20 Serial LCD (Backlit)	42.99
619-28302	28302	TCS230-DB Color Sensor	68.56
619-28018	28018	Sensirion Temperature/Humidity Sensor	52.82
619-32390	32390	RFID Reader Module and Tag Sampler Kit	49.90
619-555-28027	555-28027	PIR Sensor	9.89

BASIC STAMP ACCESSORIES

Launch yourself into the Accessories Portal and select add on products such as sensors, Application Modules, RF devices, lab tools, and other items to round out your project or application. If you already have a BASIC Stamp® microcontroller or Javelin Stamp™ module and development board, you may now take your project to the next level. There is a wide array of accessories for the BASIC Stamp microcontroller.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-27800	27800	2-Axis JoyStick	4.99
619-27801	27801	5-Position Switch	10.76
619-27808	27808	Quad-Bearing 2-Axis Gimbal Joystick	24.99
619-400-00002	400-00002	Tact Switch	.59
619-27908	27908	Trackball Module	14.99
619-605-00005	605-00005	Melexis 90217 Sensor Hall-Effect	4.99
619-605-00007	605-00007	CO Gas Sensor	6.37
619-605-00008	605-00008	CH4 Gas Sensor	7.99
619-605-00009	605-00009	LPG Gas Sesnsor	7.99
619-605-00011	605-00011	Alcohol Gas Sensor C2H5OH	4.99

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Parallax Part No.	Description	Price Each
619-32213	32213	XBand Motion Detector	39.99
619-27937	27937	Memory Stick Datalogger	39.99
619-28526	28526	3-Axis Accel Module MMA7455	30.42
619-55527401	55527401	QTI SENSOR	8.72
619-28302	28302	TCS232-DB Sensor	68.56
619-28380	28380	ColorPAL	19.99
619-32320	32320	Smart Card Reader	12.28
619-28140	28140	RFID CARD READER	44.99
619-28440	28440	RFID Read/Write Serial Module	49.99
619-31316	31316	AP-16 Audio Player	139.27
619-SX48BD-G	SX48BD-G	SX Microcontroller SX48BD-G	4.25
619-SX28AC/DP-G	SX28AC/DP-G	SX Microcontroller SX28AC/DP-G	4.95

RABBIT Microprocessor and RabbitCore® Modules

RABBIT 2000™ MICROPROCESSOR

Features:
- On-board slave port allows the Rabbit to be configured as an intelligent peripheral device
- Control of clock speed by software allows dynamic trading of power vs. speed
- Excellent math performance with 16x16 multiply in 12 clocks
- Three levels of interrupt priority allow fast response to real-time events
- 40 parallel I/O lines
- Five 8-bit timers and one 10-bit timer with two match registers
- Battery-backable time/date clock
- Watchdog

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Package	GPIO	Serial Ports	Price Each
694-20-668-0003	20-668-0003	A	Rabbit 2000™ Microprocessor	30	PQFP-100	40	5	12.75

RABBITCORE® MODULES

RabbitCore® RCM2000 Series

Features:
- Rabbit® 2000 up to 25.8MHz
- Up to 512K SRAM
- 256K Flash
- 40 general-purpose I/O

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each
694-20-101-0404	20-101-0404	B	RCM2000 RabbitCore® Microprocessor Core Module	25.8	256K	512K	40	4	69.00
694-20-101-0405	20-101-0405	B	RCM2010 RabbitCore® Microprocessor Core Module	25.8	256K	128K	40	4	49.00
694-20-101-0383	20-101-0383	B	RCM2020 RabbitCore® Microprocessor Core Module	18.432	256K	128K	40	4	39.00

RabbitCore® RCM2100 Series

Features:
- With or without Ethernet
- 3.5x2.0x0.86"
- Up to 512K SRAM
- Up to 512K Flash
- 34 or 40 general-purpose I/O

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each
694-20-101-0434	20-101-0434	C	RCM2100 RabbitCore® Microprocessor Core Module	22.1	512K	512K	34	4	89.00
694-20-101-0435	20-101-0435	C	RCM2110 RabbitCore® Microprocessor Core Module	22.1	256K	128K	34	4	59.00
694-20-101-0436	20-101-0436	C	RCM2120 RabbitCore® Microprocessor Core Module	22.1	512K	512K	40	4	69.00
694-20-101-0446	20-101-0446	C	RCM2130 RabbitCore® Microprocessor Core Module	22.1	256K	128K	40	4	49.00

RabbitCore® RCM2200 Series

Features:
- Compact size (2.3x1.6x0.86")
- 10Base-T Ethernet
- Up to 512K Flash
- Up to 512K SRAM
- 26 general-purpose I/O

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each
694-20-101-0454	20-101-0454	D	RCM2200 RabbitCore® Microprocessor Core Module	22.1	256K	128K	26	4	55.00
694-20-101-0488	20-101-0488	D	RCM2210 RabbitCore® Microprocessor Core Module	22.1	256K	128K	26	4	59.00
694-20-101-0494	20-101-0494	D	RCM2250 RabbitCore® Microprocessor Core Module	22.1	512K	512K	26	4	79.00
694-20-101-0955	20-101-0955	D	RCM2260 RabbitCore® Microprocessor Core Module	22.1	512K	512K	26	4	73.00

RabbitCore® RCM2300 Series

Features:
- Rabbit® 2000 microprocessor at 22.1MHz
- Compact size: 1.60x1.15x0.55"
- 256K Flash, 128K SRAM
- 29 general-purpose I/O (17 configurable)
- 4 address lines, 8 data lines available on header pins
- Four serial ports available

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each
694-20-101-0453	20-101-0453	E	RCM2300 RabbitCore® Microprocessor Core Module	22.1	256K	128K	29	4	42.00

RabbitCore® RCM3000 Series

Features:
- Rabbit 3000 microprocessor at 30 MHz
- Up to 512K Flash/512K SRAM
- 52 digital I/O and 6 serial ports (IrDA, HDLC, asynch, SPI)
- 3.3V operation, low power "sleepy" modes (< 2mA)
- Small form factor
- Royalty-free TCP/IP stack in source code
- Low-cost embedded microprocessor module
- Security software add-on modules available

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each
694-20-101-0507	20-101-0507	F	RCM3000 RabbitCore® Microprocessor Core Module	30	512K	512K	52	6	79.00
694-20-101-0508	20-101-0508	F	RCM3010 RabbitCore® Microprocessor Core Module	30	256K	128K	52	6	59.00

RabbitCore® RCM3100 Series

Features:
- Rabbit 3000 microprocessor at 30 MHz
- Up to 512K Flash/512K SRAM
- 54 digital I/O and 6 serial ports (IrDA, HDLC, asynch, SPI)
- 3.3V operation, low power "sleepy" modes (< 2mA)
- Compact size simplifies integration
- Ready-made platform for fast time-to-market, up to 3 months of design integration time savings
- Low-cost embedded microprocessor module
- Easily links to multiple serial devices

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each
694-20-101-0517	20-101-0517	G	RCM3100 RabbitCore® Microprocessor Core Module	30	512K	512K	54	6	65.00
694-20-101-0518	20-101-0518	G	RCM3110 RabbitCore® Microprocessor Core Module	30	256K	128K	54	6	45.00

RabbitCore® RCM3200 Series

Features:
- With or without 10/100Base-T Ethernet
- Rabbit 3000™ microprocessor at 44.2 MHz
- 3.3V operation
- Low-EMI for CE and other RF emissions tests
- Up to 512K Flash
- Up to 512K SRAM (program), 256K SRAM (data)
- 52 digital I/O
- 6 serial ports (IrDA, SDLC/HDLC, Async, SPI)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each
694-20-101-0520	20-101-0520	H	RCM3200 RabbitCore® Microprocessor Core Module	44.2	512K	512K	52	6	89.00

RabbitCore® RCM3300 Series

Features:
- Small size: 1.85x2.73x0.86 in. (47x69x22 mm)
- Microprocessor: Rabbit 3000 running at 44.2 MHz
- Three additional digital inputs, two additional digital outputs
- External reset
- 512K flash memory, 512K program execution SRAM, 512K data SRAM
- Real-time clock
- Watchdog supervisor
- Supports 1.15 Mbps IrDA transceiver

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each
694-20-101-1067	20-101-1067	I	RCM3305 RabbitCore® C-Programmable Core Module	44.2	512K	512K	49	5	119.00
694-20-101-1068	20-101-1068	I	RCM3315 RabbitCore® C-Programmable Core Module	44.2	512K	512K	49	5	99.00
694-20-101-1051	20-101-1051	J	RCM3365 RabbitCore® C-Programmable Core Module	44.2	512K	512K	52	6	105.00

RabbitCore® RCM3400 Series

Features:
- Rabbit 3000 microprocessor at 30 MHz
- Up to 512K Flash/512K SRAM
- 8 channel 12-bit A/D with programmable gain
- 47 digital I/O and 5 serial ports (IrDA, HDLC, asynch, SPI)
- MAC ID installed
- Compact size simplifies integration
- Ready-made platform for fast time-to-market, up to 3 months of design integration time savings
- Low-cost embedded microprocessor module

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each
694-20-101-0561	20-101-0561	K	RCM3400 RabbitCore® Microprocessor Core Module	29.4	512K	512K	47	5	69.00
694-20-101-0562	20-101-0562	K	RCM3410 RabbitCore® Microprocessor Core Module	29.4	256K	256K	47	5	59.00

RabbitCore® RCM3600 Series

Features:
- Rabbit 3000 microprocessor at 22 MHz
- Up to 512K Flash/512K SRAM
- 33 parallel digital I/O with configurable options
- 4 serial ports (IrDA, HDLC, async, SPI)
- 5VDC input, 3.3VDC interface
- Compact footprint: 2.11x1.23x 0.62 in. (54x31x16 mm)
- Ready-made platform for fast time-to-market – save up to 3 months of design integration time
- Low-cost embedded microprocessor module

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each
694-20-101-0672	20-101-0672	L	RCM3600 RabbitCore® Microprocessor Core Module	22	512K	512K	33	4	49.00
694-20-101-0673	20-101-0673	L	RCM3610 RabbitCore® Microprocessor Core Module	22	256K	128K	33	4	45.00
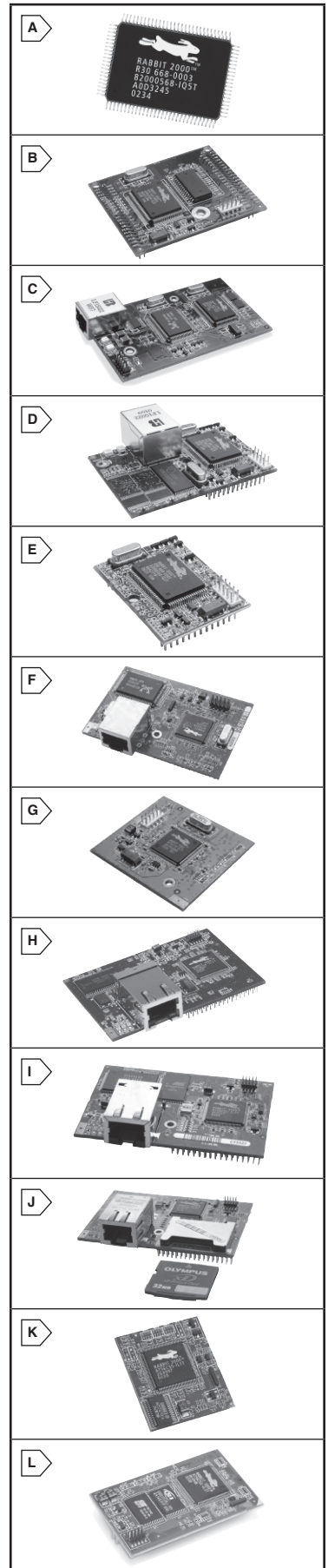
RABBIT RabbitCore® Modules and Development Kits

Products may be RoHS compliant. Check mouser.com for RoHS status.

RABBITCORE® MODULES (CONT.)

RabbitCore® RCM3700 Series

Features:
- Up to 4 serial ports for multiple device connectivity
- 10Base-T with optional 10/100Base-T Ethernet
- Up to 512K Flash for code and up to 512K SRAM for data
- 1 MB of on-board serial Flash utilizing FAT file support for reliable data storage
- Embedded web server capability for remote monitoring and control
- Exceptionally fast performance for math, logic and I/O

RoHS Compliant

For quantities greater than listed, call for quote.

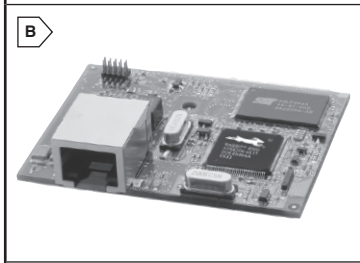| MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each
694-20-101-1028	20-101-1028	A	RCM3750 RabbitCore® Microprocessor Core Module	22.1	512K	512K	33	4	74.00
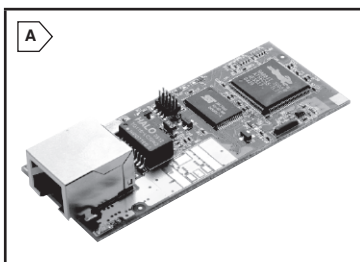
RabbitCore® RCM4000 Series

Features:
- Rabbit 4000 running at 59MHz
- Up to 1MB (16-bit) Program Flash, 1MB (16-bit) SRAM, 32 MB of Flash memory
- 10Base-T Ethernet (RJ-45 connector), up to 28 GPIO, up to 5 serial ports
- 8 channels 12-bit A/D converter
- Web server capability and remote device control
- Low-cost and easily deployable platform for non-critical embedded security
- Security-key feature with "tamper detect" and encryption capabilities

RoHS Compliant

For quantities greater than listed, call for quote.

| 694-20-101-1094 | 20-101-1094 | B | RCM4000 RabbitCore® Communications & Control Processor | 59 | 512K | 512K | 22 | 4 | 89.00 |
| 694-20-101-1112 | 20-101-1112 | B | RCM4010 RabbitCore® Communications & Control Processor | 59 | 512K | 512K | 28 | 5 | 69.00 |

RabbitCore® RCM4100 Series

Features:
- Rabbit 4000 running up to 59MHz
- 512K Flash, 256K/512K Data SRAM
- Up to 40 GPIO, up to 6 CMOS-compatible serial ports
- Auxiliary I/O feature for reducing processor bus loading
- 8 channels 12-bit A/D converter (RCM4100)
- Ideal for device intelligence and control
- Well suited for easy integration with peripheral technologies such as GPS, cellular modems, RFID readers, sensors, etc.

RoHS Compliant

For quantities greater than listed, call for quote.

| 694-20-101-1105 | 20-101-1105 | C | RCM4100 RabbitCore® Microprocessor Core Module | 59 | 512K | 512K | 29 | 6 | 75.00 |
| 694-20-101-1093 | 20-101-1093 | C | RCM4110 RabbitCore® Microprocessor Core Module | 29 | 512K | 256K | 40 | 6 | 45.00 |
| 694-20-101-1154 | 20-101-1154 | C | RCM4120 RabbitCore® Microprocessor Core Module | 59 | 512K | 512K | 40 | 6 | 64.00 |
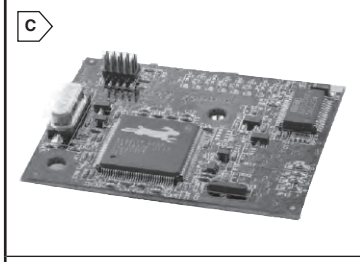
RabbitCore® RCM4200 Series

Features:
- Rabbit 4000 running at 59MHz
- 10/100Base-T Ethernet, RJ-45 jack
- 512K Flash/512K Data SRAM
- 4 MB or 8 MB Serial Flash for data storage
- Up to 35 GPIO, up to 5 serial ports
- 8 channels 12-bit A/D converter option
- Embedded device networking, intelligence, I/O control and web server capability
- Ability to remotely update firmware

RoHS Compliant

For quantities greater than listed, call for quote.

| 694-20-101-1131 | 20-101-1131 | D | RCM4200 Communications and Control Processor | 59 | 512K | 512K | 25 | 4 | 109.00 |
| 694-20-101-1132 | 20-101-1132 | D | RCM4210 Communications and Control Processor | 29 | 512K | 512K | 35 | 5 | 99.00 |
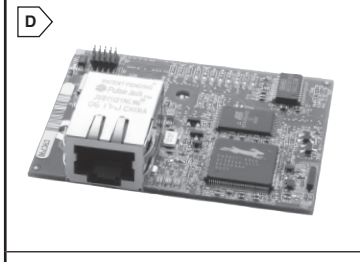
MINICORE® WI-FI MODULES

Features:
- Rabbit® 5000 running at 74MHz
- On-board single-chip 802.11b/g transceiver
- Up to 32 GPIO lines and 6 serial ports
- 1MB of SRAM and up to 4MB of serial Flash
- Update firmware wirelessly
- Embedded web server

RoHS Compliant

For quantities greater than listed, call for quote.

| MOUSER STOCK NO.	Rabbit Semi Part No.	Fig.	Description	MHz	Flash	SRAM	GPIO	Serial Ports	Price Each
694-20-101-1265	20-101-1265	E	RCM5600W MiniCore® Wi-Fi Module	74	1MB	1MB	32	6	69.00
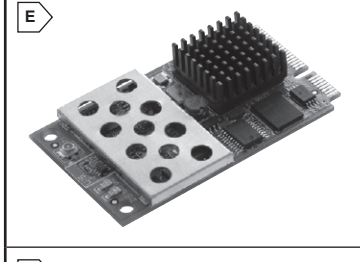
EMBEDDED CLOUD MODULES

Features:
- Integrated 802.11b/g and 10/100 Ethernet networking
- 4 A/D inputs 12-bit resolution
- Clock speed up to 180MHz
- Throughput up to 40Mbps Ethernet and up to 20Mbps Wi-Fi
- Manage firmware updates with iDigi platform
- Lightweight web server for monitoring and control
- ZigBee® and GPS/3G cellular connectivity support
- FCC and CE certified

RoHS Compliant

For quantities greater than listed, call for quote.

| 860-20-101-1322 | 20-101-1322 | F | RCM6600W Ultra Compact Ethernet to Wi-Fi Bridge | 180 | 1MB | 1MB | 30 | 6 | 75.00 |
| 860-20-101-1323 | 20-101-1323 | F | RCM6600W Ultra Compact Ethernet to Wi-Fi Bridge | 180 | 1MB | 1MB | 30 | 6 | 79.00 |
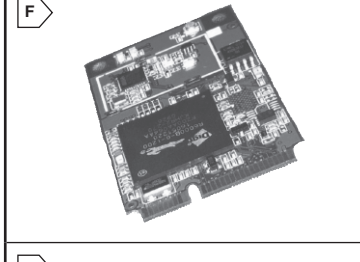
HIGH PERFORMANCE MINICORE® MODULES

Features:
- Rabbit® 6000 running up to 200 MHz
- 10/100 Ethernet and pin-compatible with MiniCore 802.11b/g wireless modules
- 1MB of internal RAM for program storage
- Up to 4 MB of serial Flash for data logging or web page storage
- Flexible Interface Module (FIM) provides protocol support for CANbus or SD/SDIO
- iDigi platform provides cost-effective cloud computing for remote device management
- Seamless migration to chip level design
- 5X greater throughput performance

RoHS Compliant

For quantities greater than listed, call for quote.

694-20-101-1318	20-101-1318	G	RCM6700 MiniCore® High Performance Embedded Device Servers	200	1MB	1MB	32	6	35.00
694-20-101-1319	20-101-1319	G	RCM6710 MiniCore® High Performance Embedded Device Servers	200	1MB	1MB	32	6	45.00
694-20-101-1320	20-101-1320	G	RCM6750 MiniCore® High Performance Embedded Device Servers	200	4MB	1MB	32	6	50.00
694-20-101-1321	20-101-1321	G	RCM6760 MiniCore® High Performance Embedded Device Servers	200	4MB	1MB	32	6	60.00
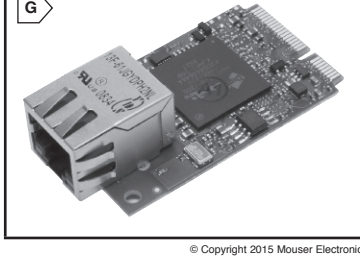
ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Rabbit Semi Part No.	Description	Price Each
Development Kits			
694-101-0523	101-0523	RCM3000 RabbitCore Development Kit, Includes RCM3010 Microprocessor	299.00
694-101-0533	101-0533	RCM3100 RabbitCore Development Kit, Includes RCM3100 Microprocessor	239.00
694-101-0552	101-0552	RCM3100 RabbitCore Development Kit, Includes Rabbit 3000® Microprocessor	349.00
694-101-0587	101-0587	RCM3400 RabbitCore Development Kit, Includes RCM3400 Microprocessor	399.00
694-101-1284	101-1284	RCM5600W Standard Development Kit, Includes RCM5600W Microprocessor	149.00
694-101-1285	101-1285	RCM5600W Deluxe Development Kit, Includes RCM5600W Microprocessor	249.00
812-101-1325	101-1325	RCM6600W Standard Dev Kit, Includes RCM6600W Microprocessor - RoHS	149.00
812-101-1324	101-1324	RCM6600W Deluxe Dev Kit, Includes RCM6600W Microprocessor - RoHS	249.00
694-101-1327	101-1327	RCM67XX MiniCore® Standard Development Kit, Includes RCM6700 Module - RoHS	100.00
694-101-1326	101-1326	RCM67XX MiniCore® Deluxe Development Kit, Includes RCM6700 Module	249.00
Cables			
694-540-0066	540-0066	20" Cable For Panel-Mount Keypad/Display Unit, For Use w/BL2100 Single-Board Computer	15.00
812-540-0069	540-0069	5" Cable For Panel-Mount Keypad/Display Unit, For Use w/SBC LP3500 Single-Board Computer	15.00
Boards			
694-151-0113	151-0113	Connector Adapter Board, Universal 2 mm to 0.1" Adapter, For Use w/RCM2000/2100/2200/2300/3000/3100/3200/3400, BL1800	27.00
694-20-101-0589	20-101-0589	Rabbit Cloning Board (Copy Compiled Software From Rabbit To Rabbit), For Use w/OP7200 eDisplay, SBC BL2100/2600, SBC LP3500, RCM3000/3100/3209/3400/3600/3700 - RoHS	89.00
Panel-Mount KDU			
694-20-101-0502	20-101-0502	Panel-Mount Keypad/Display Unit, Water-Resistant Remote, 7-Key/122 x 32 Pixel LCD, 5V (Cable Not Included), For Use w/SBC BL2100, RCM3000/3100/3209 - RoHS	99.00
694-20-101-0541	20-101-0541	Panel-Mount Keypad/Display Unit, Water-Resistant Remote, 7-Key/122 x 32 Pixel LCD (Requires Keypad/Display Unit Cable 540-0069), For Use w/SBC LP3500, RCM3400/3600/3700 - RoHS	99.00

TAOGLAS Antennas

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MULTI-FUNCTION ANTENNAS

GPS/Cellular/2.5ghz Antennas

MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VSWR (Max.)	Connector	Description	Dimensions: mm (LxWxH)	Price Each
External Dome - Adhesive Mount								
960-MA203AB301111	MA.203.A.A301111.B301111	800-2200	32	2	SMA(M)x2	GPS/Cellular, NEMA IP65	55.15x12	27.54
960-MA206AC301151	MA.206.A.A301111.C301151	1575, 2.4-2.5	3	1.92	SMA, RP-SMA	GPS/2.4GHz	25x25x4	40.50
960-MA208AB305111	MA.208.A.A301111.B305111	700-960, 1710-2170	-	3.6	SMA(M)	GPS/LTE/GSM/UMTS, NEMA IP67	200.5x66.5x9	64.13
960-MA208AB305721	MA.208.A.A301621.B305721	700-960, 1710-2170	-	-	FAKRA	GPS/GSM	-	70.13
960-MA301A0111301111	MA.301.A.A301111.B301111	1575	28	1.92	SMA (M)	GPS/GSM, NEMA IP67	10.8x55.1	32.02
External Dome - Screw Mount								
960-MA501CC305151	MA.501.C.A301111.C305151	1575.42, 2400-2500	32	2	RP-SMA(M)	GPS/ISM/ZigBee/WLAN/Bluetooth/IEEE.802.11/IEEE.802.15	29x49	81.00
960-MA600C305111	MA600.A301111.B305111.C305111	824-5900	32	1.9	SMA(M)x3	GPS/Cellular/2.4-5 GHz, NEMA IP67	50x150	125.55
960-MA600WC305111	MA600.W.A301111.B305111.C305111	824-5900	32	1.9	SMA(M)x3	GPS/Cellular/2.4-5 GHz, NEMA IP67, white	50x150	125.55
960-MA6030111K305111	MA603.A301111.B305111.K305111	850-2100	32	1.9	SMA(M)x3	GSM/CDMA/UMTS/HSPA/GPS	145.6x35.1	125.55
960-MA700WC305111	MA700.W.A301111.B305111.C305111	700-5900	34	1.95	SMA(M)x3	GPS/LTE Cellular/2.4-5 GHz, NEMA IP67, white	85.7x145.6	167.40
960-MA750AABICG003	MA750.A.ABICG.003	698-3500	30	3	SMA(M)x5	2G/3G/4G MIMO/GPS/2.4/5GHz MIMO	145.6x85.7	192.51
960-G21B301111	G21.B.301111	824-960, 1710-2170	3.9	<3.5:1	SMA(M)	GPS/Cellular NEMA IP69K	29x49	48.60
960-G.24.A.305111	G.24.A.305111	825-2170	3.2	3.5	SMA(M)	Penta-band GSM/CDMA/UMTS/HSPA/HSPA+/WCDMA	55x19.6	48.60
960-G.30.B.108111	G.30.B.108111	698-2700	3.2	3	SMA(M)	LTE/GSM/CDMA/DCS/PCS/WCDMA/UMTS/HSDPA/GPRS/EDGE/IMT	50x48	26.53
External Ceiling Mount								
960-CM02.03F21.02806	CM.02.03F21.02806	700-6000GHz	3	3	N-Type(F)	LTE/GSM/CDMA/HSPA/UMTS/WCDMA/WIFI/ WIMAX/ ISM	167.5x97.5	41.85

ISM ANTENNAS

MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VSWR (Max.)	Connector	Dimensions: mm (LxWxH)	Price Each
Helical - 90°							
960-TI100112	TI.10.0112	433	0	1.5	SMA(M)RA	45x16.5	8.10
Dipole 90° Hinged							
960-TI153113	TI.15.3113	433	3	1.5	SMA(M)	170x13	12.96
960-TI.19.2113	TI.19.2113	915	2.5	1.9	SMA(M)	379x13 (LxDia.)	12.97
Dipole 90°							
960-TI08C0112	TI.08.C.0112	853-883	-	2.3	SMA(M)	52x17.1x9.6	8.10
External Dome - Screw Mount (NEMA IP69)							
960-IS01B305111	IS.01.B.305111	433	0	2	SMA(M)	29x52 (LxDia.)	64.80
960-IS04B301111	IS.04.B.301111	868-870	2.09	2.5	SMA(M)	29x52 (LxDia.)	64.80
960-IS05B301111	IS.05.B.301111	915	3.14	2.5	SMA(M)	29x52 (LxDia.)	64.80
Flex Circuit							
960-FXP280070100A	FXP280.07.0100A	863-870	1.5	2	MHFII	75x45x0.1	15.39
960-FXP290070100A	FXP290.07.0100A	902-928	1.5	2	MHFII	75x45x0.1	15.39
960-FXP70070053A	FXP70.07.0053A	2400	5	1.5	MHFI	27x25x0.1	3.35
Flex Whip							
960-FW.80.SMA.M	FW.80.SMA.M	169	0	-	SMA(M)	353x16	15.97
960-FW.81.SMA.M	FW.81.SMA.M	135	0	-	SMA(M)	353x16	15.97
Rigid Whip							
960-TI.16.5F11	TI.16.5F11	915	5	-	N-Type(M)	557x25 (LxDia.)	19.25
Outdoor Omni-Directional							
960-OMB.242.08F21	OMB.242.08F21	2.4-2.5GHz	8	1.3	N-Type(F)	523x70 (LxDia.)	62.78
960-OMB.915.B03F21	OMB.915.B03F21	915	3.5	1.5	N-Type(F)	1094x75x55 (ø70)	98.22

WIFI ANTENNAS

MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VSWR (Max.)	Connector	Dimensions: mm (LxWxH)	Price Each
PCB Dipole							
960-FXP810070100C	FXP810.07.0100C	2.4-2.5, 4.9-5.8	5.1	1.7	IPEX MHF1	31x31x0.1	7.74
960-FXP810090100C	FXP810.09.0100C	2.4-2.5, 4.9-5.8	5.1	1.7	MMCX(M)RA	31x31x0.1	9.24
960-FXP830070100C	FXP830.07.0100C	2.4-2.5, 4.9-5.8	5	-	IPEX MHF	42x7 (LxW)	5.52
960-FXP830090100C	FXP830.09.0100C	2.4-2.5, 4.9-5.8	5	-	MMCX(M)RA	42x7 (LxW)	7.02
960-FXP831070100C	FXP831.07.0100C	2.4-2.5, 4.9-5.8	5.5	2.5	IPEX MHF	45x7 (LxW)	5.52
960-FXP831090100C	FXP831.09.0100C	2.4-2.5, 4.9-5.8	5.5	2.5	MMCX(M)RA	45x7 (LxW)	7.02
PCB Antennas							
960-ILAD01	ILAD.01	902-928	1	-	SMD	10x3.2x0.6	100.00
960-PC81070100ADB	PC81.07.0100A.db	868-870	-	2	IPEX MHF	34x7x0.8	12.96
960-PC91070100ADB	PC91.07.0100A.db	902-928	-	2	IPEX MHF	34x7x0.8	13.77
960-WLP2450254A02	WLP.2450.25.4.A.02	2450±50	5	1.5	Pin w/ Tape	25x25x4.5	5.41
Dual-Band Ceramic							
960-SDWA.01	SDWA.01	2400-2500/4900-5850	1.5,4.91	2.5,3	SMT	10x4x1.5	12.96

2.4-5.9 GHZ ANTENNAS

MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VSWR (Max.)	Connector	Dimensions: mm (LxWxH)	Price Each
External Dome (NEMA IP69K)							
960-WS01B305151	WS.01.B.305151	2.4-5.35GHz	-	1.76	RP-SMA(M)	29x49 diameter	48.60
External Terminal Monopole							
960-GW260111	GW.26.0111	2.4GHz	-	-	SMA(M)	30x8X7.9	9.72
960-GW260112	GW.26.0112	2.4GHz	-	-	SMA(M)	28.5x7x7.9	9.72
PCB							
960-PC11070100A	PC11.07.0100A	2.4-2.5 4GHz	3	-	IPEX MHF	66x16x0.8	12.15
960-PC11090100A	PC11.09.0100A	2.4-2.5, 4.9-5.9 4GHz	4.5	-	MMCX(M)RA	66x16x0.8	13.65
960-FXP74.07.0100A	FXP74.07.0100A	2.4GHz	4	2	IPEX U.FL	47x7x0.1	7.20
960-FXP840.07.0055B	FXP840.07.0055B	2.4, 4.9-6GHz	2	2,2.5	IPEX U.FL	14x5x0.1	7.32
Stringray Adhesive							
960-WA.500W.301151	WA.500w.301151	2.4-2.5, 4.9-5.9GHz	2,3	1.95	RP-SMA(M)	10.8x55 (LxDia.)	20.92

MOUSER ELECTRONICS

(800) 346-6873

TAOGLAS Antennas

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taoglas
antenna solutions

GPS ANTENNAS
External Dome

MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VSWR (Max.)	Connector	Enclosure Rating	Dimensions: mm (LxWxH)	Price Each
Magnetic Mount - Titan Series								
960-AA105301111	AA.105.301111	1575.42±3	30	1.92	SMA(M)	IP67	44x33x14	12.96
960-AA105301621	AA.105.301621	1575.42±3	30	1.92	Fakra Code C Blue SMB(F)	IP67	25x25x4	15.95
Adhesive Mount - Titan Series								
960-AA108301111	AA.108.301111	1575.42±3	30	1.92	SMA(M)	IP67	25x25x4	14.58
Screw Mount - Hercules Series								
960-A01C301111	A.01.C.301111	1575.42±1.023	28	2	SMA	IP67	29x49 (LxDia.)	48.60
Active Loop Module								
960-ALA01070095A	ALA.01.07.0095A	1575.42	16	2	IPEX MHFI	-	45x10x2.3	14.58

Internal - Ceramic Loop

MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VSWR (Max.)	Connector	Dimensions: mm (LxWxH)	Price Each
960-GLA01	GLA.01	1575	2.5	2	-	5x3x0.5	12.96
960-ILA01	ILA.01	915	1	2	SMA(F)	10x3.2x0.5	12.96
960-ILA02	ILA.02	868	-3	1.5	SMA(F)	10x3.2x0.5	11.18
960-HLA.01	HLA.01	5150-5900	2.1	2	SMT	3.2x1.6x0.5	12.96

Patch

MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VSWR (Max.)	Connector	Dimensions: mm (LxWxH)	Price Each
Passive							
960-GP1575353A02	GP.1575.35.3.A.02	1616-1626.5	-	1.5	Pin with Tape	35x35x3.5	6.65
960-GP1575254A02	GP.1575.25.4.A.02	1575.42±1.023	-	1.5	Pin with Tape	25x25x4	4.17
960-GP1575252A02	GP.1575.25.2.A.02	1575.42±2	-	1.5	Pin with Tape	25x25x2	4.48
960-GP1575182A02	GP.1575.18.2.A.02	1575±3	-	1.5	Pin with Tape	18x18x2	5.10
960-SGP1575154A02	SGP.1575.15.4.A.02	1575.42±1.023	-	1.5	Pin with Tape	15x15x4	5.41
960-GPGP1575154B02	GP.1575.15.4.B.02	1575.42±1.023	-	1.5	Pin with Tape	15x15x4	5.10
960-SGP1575254C02	SGP.1575.25.4.C.02	1575.42±1.023	-	1.5	SMT	25x25x4.5	5.72
960-GP1575184A02	GP.1575.18.4.A.02	1575±3	-	1.5	SMT	18x18x4	5.10
960-GP1575124A02	GP.1575.12.4.A.02	1575±3	-	1.5	SMT	12x12x4	5.41
960-SGP1575124A02	SGP.1575.12.4.A.02	1575.42±1.023	-	1.5	SMT	12x12x4.5	5.41
960-SGP1575184C02	SGP.1575.18.4.C.02	1575.42±1.023	-	1.5	SMT	18x18x4.5	5.72
960-CGGP.18.4.C.02	CGGP.18.4.C.02	1592±3	3	1.5	Pin with Tape	18x18x4.5	5.10
960-CGGP.35.3.A.02	CGGP.35.3.A.02	1575-1610	1.5	1.5	Pin with Tape	35x35x3.5	7.12
960-SGP1575.25.4.D02	SGP.1575.25.4.D.02	1575.42±1.023	1	1.5	SMT	25x25x4	5.72
960-WPC.25A.07.0150C	WPC.25A.07.0150C	2400-2500	0.5	-	IPEX MHFI	25x25x5.5	20.50
Active							
960-AP25F070078A	AP.25F.07.0078A	1575.42±1.023	30	2	IPEX MHFI	25x25x8	14.58
960-AP25E070054A	AP.25E.07.0054A	1575.42±1.023	15	2	IPEX MHFI	35x35x4.5	12.96
960-AGGP25F.07.0060A	AGGP.25F.07.0060A	1574-1610	31	2	IPEX MHFI	25x25x4	20.50
960-AGGP35F.07.0060A	AGGP.35F.07.0060A	1574-1610	31	2	IPEX MHFI	35x35x3.7	23.01
960-AP.25M.07.0080A	AP.25M.07.0080A	1575.42±1.023	16	2	IPEX MHFI	25x25x2	14.64

IRIDIUM ANTENNAS

MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VSWR (Max.)	Connector	Dimensions: mm (LxWxH)	Price Each
960-IP1621254A02	IP.1621.25.4.A.02	1616-1626.5	3	1.5	Pin withTape	25x25x4	6.07

CELLULAR ANTENNAS

MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VSWR (Max.)	Connector	Description	Dimensions: mm (LxWxH)	Price Each
I-Bar								
960-GSA8821B301111	GSA.8821.B301111	824-2170	3	-	SMA(M)	Penta-band GSM/CDMA/PCS/DCS/UTMS/WCDMA	106.7x14.7x5.3	14.58
Straight Monopole								
960-TG220111	TG.22.0111	800-2200	0	2.3	SMA(M)	GSM/DCS/PCS/UMTS/CDMA/GPRS/EDGE/HSPA, Black	48x7.8 (LxDia.)	8.10
960-TG220111W	TG.22.0111w	800-2200	0	2.3	SMA(M)	GSM/DCS/PCS/UMTS/CDMA/GPRS/EDGE/HSPA, White	48x7.8 (LxDia.)	9.72
Monopole - 90°								
960-TG220112	TG.22.0112	800-2200	0	2.3	SMA(M)RA	GSM/DCS/PCS/UMTS/CDMA/GPRS/EDGE/HSPA, Black	44.8x7.8 (LxDia.)	8.10
Monopole - 90° Hinge								
960-TG090113	TG.09.0113	824-2170	2	-	SMA(M)	AMPS/GSM/DCS/PCS/UMTS, black	72x10 (LxDia.)	8.10
960-TG090113W	TG.09.0113w	824-2170	2	-	SMA(M)	AMPS/GSM/DCS/PCS/UMTS, white	72x10 (LxDia.)	9.60
960-TG.10.0113	TG.10.0113	700-2500	4	-	SMA(M)	2G/3G/4G With Assisted GPS	122x6.5 (LxDia.)	9.72
Straight Dipole								
960-TG.30.8111	TG.30.8111	700-2700	6.5	-	SMA(M)	LTE/GSM/CDMA/DCS/PCS/WCDMA/UMTS/HSDPA/GPRS/EDGE/GPS/WI-FI, black	171.1x49	11.42
960-TG.30.8111W	TG.30.8111W	700-2700	6.5	-	SMA(M)	LTE/GSM/CDMA/DCS/PCS/WCDMA/UMTS/HSDPA/GPRS/EDGE/GPS/WI-FI, white	171.1x49	11.54
Dipole - 90°								
960-TG.30.8112	TG.30.8112	700-2700	5.3	-	SMA(M)	LTE/GSM/CDMA/DCS/PCS/WCDMA/UMTS/HSDPA/GPRS/EDGE/GPS/WI-FI, black	148.6x49	11.66
960-TG.30.8112W	TG.30.8112W	700-2700	5.3	-	SMA(M)	LTE/GSM/CDMA/DCS/PCS/WCDMA/UMTS/HSDPA/GPRS/EDGE/GPS/WI-FI, white	148.6x49	11.78
Dipole - 90° Hinge								
960-TG.30.8113	TG.30.8113	700-2700	2.7	-	SMA(M)	LTE/GSM/CDMA/DCS/PCS/WCDMA/UMTS/HSDPA/GPRS/EDGE/GPS/WI-FI, black	1625x49	13.36
960-TG.30.8113W	TG.30.8113W	700-2700	2.7	-	SMA(M)	LTE/GSM/CDMA/DCS/PCS/WCDMA/UMTS/HSDPA/GPRS/EDGE/GPS/WI-FI, white	162.5x49	13.97
Magnetic Mount								
960-GA107201111	GA.107.201111	800-2200	-	2	-	AMPS/GSM/DCS/PCS/UMTS	120X6.5 (LxDia.)	15.07
External Dome - Adhesive Mount								
960-MA203AB301721	MA.203.A.A301621.B301721	824-2170	32	3	FAKRA	GPS/CDMA/PCS/DCS/UMTS/GPRS/EDGE/HSPA, NEMA IP65	-	33.54
Internal PCB								
960-PC23070100A	PC.23.07.0100A	824-1880	0	2	IPEX MHFI	AMPS/GSM/PCS/DCS	1.6x42 (LxDia.)	11.34
960-PC23090100A	PC.23.09.0100A	824-1990	0	2	MMCX(M)RA	AMPS/GSM/PCS/DCS	1.6x42 (LxDia.)	12.84

TAOGLAS Antennas

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CELLULAR ANTENNAS (CONT.)

MOUSER STOCK NO.	Taoglas Part No.	Frequency (MHz)	Gain Max. (dB)	VSWR (Max.)	Connector	Description	Dimensions: mm (LxWxH)	Price Each
Internal PCB (cont.)								
960-PC27070100A	PC27.07.0100A	824-1900	-	-	MHF II	AMPS/GSM/PCS/DCS	34x7x0.8	11.34
960-PC27090100A	PC27.09.0100A	800-1900	-	3.59	MMX(M)RA	AMPS/GSM/PCS/DCS	34x7x0.8	12.84
960-FXP07070100A	FXP07.07.0100A	824-2170	-	-	IPEX	Penta-band AMPS/GSM/DCS/PCS/UMTS	41x24	11.34
960-FXP07090100A	FXP07.09.0100A	850-2100	3	2.5	MMCX(M)RA	Hexa-band	70x20x0.1	12.84
960-FXP14070100A	FXP14.07.0100A	850-2100	3	2.5	IPEX MHFII	Hexa-band	70x20x0.1	11.34
960-FXP14090100A	FXP14.09.0100A	850-2100	3	2.5	MMCX(M)RA	Hexa-band	70x20x0.1	12.84
960-FXP100070100A	FXP100.07.0100A	2100-4320	-	2		Flexible, WiMAX	31x53x0.2	20.00
960-FXP400070100A	FXP400.07.0100A	690-940, 1720-3130	4	2	IPEX MHF	Ultra Wide-Band	100x38x0.1	24.30
960-FXP14110100B	FXP14.11.0100B	850-2100	3	2.5	Murata GSC	Hexa-band	70x20x0.1	12.84
960-FXP14240100B	FXP14.24.0100B	850-2100	3	2.5	IPEX MHFIV	Hexa-band	70x20x0.1	13.49
960-PC29070100A	PC29.07.0100A	850-2100	2.66	1.78	IPEX MHFI	Penta-band	80x30	11.34
960-PC29090100A	PC29.09.0100A	850-2100	2.66	1.78	MMCX(M)RA	Penta-band	80x30	12.84
960-PC30070100A	PC30.07.0100A	824-2170	-	-	IPEX	Penta-band	74.7x8.2x0.8	11.34
960-PC30090100A	PC30.09.0100A	824-2170	2	-	MMCX(M)RA	Penta-band	74.7x8.2x0.8	12.84
960-FXUB66.01.0150C	FXUB66.01.0150C	700-6000	5	3.5	SMA(M)	Flexible, Ultra-Wideband	120.4x50.4x0.2	18.27
960-FXUB66.07.0150C	FXUB66.07.0150C	700-6000	5	3.5	SMA(M)	Flexible, Ultra-Wideband	120.4x50.4x0.2	16.77
960-PC17.07.0070A	PC17.07.0070A	2400-2483.5	0.9	1.5	IPEX MHFI	Wi-Fi/Bluetooth/ZigBee	24x10.75x0.8	12.15
SMD								
960-PA25A	PA.25a	824-960, 1700-2170	-	3	SMD	Hexa-band	35x6x5	11.34
960-PA22A	PA.22a	880-960, 1710-1990	0	2.5	SMD	Tri-band	29.8x6x5	14.18
960-PA700A	PA.700.A	698-960, 1710-2170	3.9	3	SMD	Septa-band LTE/Cellular/CDMA	40x6x5	13.77
960-PA.710.A	PA.710.A	698-960, 1710-2690	3.5	3	SMD	Ultra Wide-Band LTE/Cellular/CDMA	40x6x5	15.84
Flex Whip								
960-FW.90.SMA.M	FW.90.SMA.M	850-2100	4.5	-	SMA(M)	Penta-Band	250x16.05	15.08
960-FW.91.TNC.M	FW.91.TNC.M	850-2100	4.5	-	TNC(M)	Penta-Band	255x16.05	15.97
960-FW92RNTM	FW.92.RNT.M	850-2100	4	-	RP-N TYPE	Penta-Band	274x16.05	15.98
960-WM.90.A305111	WM.90.A305111	824-2170	4	-	SMA(M)	Wide-band, High Efficiency	248x17.08 dia.	13.77

RF CONNECTORS

MOUSER STOCK NO.	Taoglas Part No.	Type	Contact	Finish	Voltage Rating	Impedance(Ω)	Maximum Frequency (GHz)	Length (mm)	Price Each
960-PCBMMCXJACKHT	PCB.MMCX.F.ST.JACK.HT	MMCX	Phosphor Bronze	Gold	170V	50	6	7.5	2.98
960-PCBMMCXFSTJACKHT	PCB.MMCX.F.ST.SMT.JACK.HT	MMCX	Phosphor Bronze	Gold	170V	50	6	5	3.57
960-PCB.SMAFST.2HAHT	PCB.SMAFST.2H.A.HT	SMA(F)	Phosphor Bronze	Gold	335V	50	12.4	11.52	3.34
960-PCB.SMAFST.2HBHT	PCB.SMAFST.2H.B.HT	SMA(F)	Phosphor Bronze	Nickel	335V	50	12.4	11.52	3.34
960-PCB.SMAFST.J.AHT	PCB.SMAFST.J.A.HT	SMA(F)	Phosphor Bronze	Gold	335V	50	12.4	2	4.73
960-PCB.SMAFST.J.BHT	PCB.SMAFST.J.B.HT	SMA(F)	Phosphor Bronze	Gold	335V	50	12.4	1	4.45
960-EMPCBMMCXFJACKHT	EM.PCB.MMCX.F.ST.JACK.HT	MMCX	Phosphor Bronze	Gold	170V	50	6	7.4	2.76
960-EMPCB.SMAFSTJBHT	EMPCB.SMAFSTJ.B.HT	SMA(F)	Phosphor Bronze	Gold	335V	50	12.4	13.3	3.07
960-EMPCB.SMAFSTJCHT	EMPCB.SMAFSTJ.C.HT	SMA(F)	Phosphor Bronze	Nickel	335V	50	12.4	13.3	2.89

CABLE ASSEMBLIES

MOUSER STOCK NO.	Taoglas Part No.	Cable Length (mm)	Cable Diameter (mm)	Gauge (AWG)	Description	Price Each
960-CAB0101	CAB.0101	100	2.75	26	SMA(F) Bulkhead Straight to SMB(F) Plug	7.09
960-CAB011	CAB.011	95	1.13	32	IPEX MHIF to SMA(F) Bulkhead Straight Connector	2.92
960-CAB0114	CAB.0114	75	2.75	26	SMA(F) Bulkhead Straight to SMA(M) Plug Straight	6.84
960-CAB0130	CAB.0130	75	2.75	26	SMA(F) Bulkhead Straight to MCX(M) Plug Straight	7.67
960-CAB01402	CAB.01402	100	2.75	26	SMA(F) Bulkhead Straight to MMCX(M) Plug R/A	6.98
960-CAB916	CAB.916	1000	5	-	N Type Male Straight to N type Male Straight	22.10
960-CAB917	CAB.917	1000	5	-	N Type Male Straight to N type Female Straight	22.10
960-CAB922	CAB.922	75	2.75	32	SMA(F) Bulkhead Straight to SMA(M) Plug Straight	5.90
960-CABA02	CAB.A02	95	0.81	32	SMA(F) Bulkhead Straight to IPEX MHFIII(W.FL comp)	5.18
960-CAB618C	CAB.618C	200	1.13	32	SMA(F) Bulkhead Straight to IPEX MHFI Right Angle	4.82
960-CAB.622	CAB.622	200	1.13	32	IPEX MHFI to RP-SMA(F) Buckhead Straight	5.94
960-CAB.628	CAB.628	95	1.13	32	IPEX MHFI to RP-SMA(F) Buckhead Straight	5.22
960-CAB718	CAB.718	200	1.13	32	SMA(F) Buckhead Straight to Hirose U.FL Right Angle	6.12
960-CAB719	CAB.719	100	1.13	32	SMA(F)Buckhead Straight to Hirose U.FL Right Angle	5.90
960-CAB720	CAB.720	200	1.32	32	SMA(F)Buckhead Straight to Hirose U.FL Right Angle	6.12
960-CAB721	CAB.721	100	1.32	32	SMA(F)Buckhead Straight to Hirose U.FL Right Angle	5.90
960-CAB940	CAB.940	200	0.81	32	SMA(F) Buckhead Straight to Murata GSC Right Angle	5.90
960-CABR01	CAB.R01	100	0.81	32	SMA(F) Buckhead Straight to Murata GSC Right Angle	12.24
960-CABR02	CAB.R02	100	0.81	32	SMA(F) Buckhead Straight to Murata GSC Right Angle	12.60
960-CABS01	CAB.S01	100	0.81	32	SMA(F) Buckhead Straight to IPEX MHF4 Right Angle	8.64
960-CABS02	CAB.S02	200	0.81	32	SMA(F) Buckhead Straight to IPEX MHF4 Right Angle	9.00
960-CABT01	CAB.T01	100	1.5	26	SMA(F) Buckhead Straight to TS-9(M) Straight	14.87

RECEPTACLES

MOUSER STOCK NO.	Taoglas Part No.	Type	Housing	Contact	Ground Contact	Dimensions: mm (LxWxH)	Price Each
960-RECE20279001E01	RECE-20279-001E-01	IPEX MHF (UL.comp)	LCP, UL94V-0, White	Brass, gold plate	Phosphor bronze, gold plate	3.1x3x1.25	.90
960-RECE20369-001E01	RECE-20369-001E-01	IPEX MHFIII (UL.comp)	LCP, UL94V-0, White	Brass, gold plate	Phosphor bronze, gold plate	3.1x3x1.25	1.06
960-RECE20449-001E01	RECE-20449-001E-01	IPEX MHF4 (UL.comp)	LCP, UL94V-0, White	Brass, gold plate	Phosphor bronze, gold plate	3.1x3x1.25	1.18

EVALUATION KITS

MOUSER STOCK NO.	Taoglas Part No.	Description	Price Each
960-SGPD25C	SGPD.25C	GPS (1579 MHz) Evaluation Kit for SGP.1575.25.4.C.02	100.00
960-SGPD15A	SGPD.15A	GPS (1576 MHz) Evaluation Kit for SGP.1575.15.4.A.02	100.00
960-SGPD12A	SGPD.12A	GPS (1575 MHz) Evaluation Kit for SGP.1575.12.4.A.02	100.00
960-GLAD01	GLAD.01	GPS SMT Loop Antenna (1575.42 MHz) Evaluation Kit for GLA.01	100.00
960-WLAD01	WLAD.01	2.4GHz SMT Evaluation Kit for WLA.01	100.00
960-PAD25	PAD.25	Hexaband Cellular Antenna (824-2200MHz) Evaluation Kit for PA.25a	100.00
960-PAD700	PAD.700	W-CDMA LTE (800-2200MHz) Evaluation Kit for PA.700.A	100.00
960-CAD50	CAD.50	5.15 to 5.9GHZ Evaluation Board for CA.50	100.00
960-HLAD.01	HLAD.01	5.15 to 5.9GHZ Evaluation Board for HLA.01	100.00
960-SDWAD.01	SDWAD.01	2.4/5GHz Evaluation Kit for SDWA.01	100.00
960-SWLPD.12	SWLPD.12	2.4 GHz Evaluation Kit for SWLP.2450.12.4.B.02	100.00

TERASIC TECHNOLOGIES Development Tools

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FPGA DEVELOPMENT KITS

Development Kits for Altera Cyclone II

MOUSER STOCK NO.	Terasic Technologies Part No.	Fig.	Description	Price Each
993-P0301	P0301	A	Cyclone II DE2 Development and Education Board	437.50
993-P0528	P0528	B	Cyclone II DE1 Development and Education Board	156.25

Development Kit for Cyclone III

MOUSER STOCK NO.	Terasic Technologies Part No.	Fig.	Description	Price Each
993-P0037	P0037	C	Cyclone III EP3C16 DE0 Development & Education Board	119.00

Development Kits for Altera Cyclone IV

MOUSER STOCK NO.	Terasic Technologies Part No.	Fig.	Description	Price Each
993-P0059	P0059	D	Cyclone IV DE2-115 Development and Education Board	595.00
993-P0061	P0061	D	Cyclone IV DE2-115 ICB-HSMC Industrial Networking Kit (INK)	795.00
993-P0082	P0082	E	Cyclone IV DE0-Nano Development and Education Board	86.25
993-P0103	P0103	F	Cyclone IV Video and Embedded Evaluation Kit (VEEK-MT)	910.00

Development Kit for Intel Atom and Cyclone IV

MOUSER STOCK NO.	Terasic Technologies Part No.	Fig.	Description	Price Each
993-P0162	P0162	G	DE2i-150 FPGA DevKit Atom 2600 Cyclone IV	590.00

Development Kits for Altera Cyclone V

MOUSER STOCK NO.	Terasic Technologies Part No.	Fig.	Description	Price Each
993-P0150	P0150	H	Cyclone V GX 5CGXFC5C6F27C7N Starter Kit	198.75
993-P0159	P0159	I	Cyclone V SoC 5CSEMA5F31C6N Development Kit	242.50
993-P0160	P0160	J	Cyclone V GX 5CGXFC7D6F31C7NES FPGA Development Kit	323.75

Development Systems for Altera Stratix III

MOUSER STOCK NO.	Terasic Technologies Part No.	Fig.	Description	Price Each
993-P0005	P0005	K	Stratix III 3SL150 FPGA Development Kit	1795.00
993-P0029	P0029	K	Stratix III 3SL260 FPGA Development Kit	2395.00

Development Kits for Altera Stratix IV

MOUSER STOCK NO.	Terasic Technologies Part No.	Fig.	Description	Price Each
993-P0054	P0054	L	Stratix IV 4SGX230 FPGA Development Kit	2995.00
993-P0107	P0107	M	Stratix IV GAX 4SGX530 FPGA Development Kit	2895.00

PSOC DEVELOPMENT KITS FOR CYPRESS CAPSENSE®

| MOUSER STOCK NO.	Terasic Technologies Part No.	Fig.	Description	Price Each
993-P0090	P0090	N	Cypress CapSense CY8CKIT-035 Power Management Expansion (PME) Kit	128.75
993-P0091	P0091	O	Cypress CapSense CY8CKIT-036 Thermal Management Expansion (TME) Kit	128.75

DEVELOPMENT KIT FOR ICB-HSMC

MOUSER STOCK NO.	Terasic Technologies Part No.	Fig.	Description	Price Each
993-P0060	P0060	P	Industrial Comm Board (ICB-HSMC)	195.00

SMALL OUTLINE DUAL IN-LINE MEMORY MODULE

MOUSER STOCK NO.	Terasic Technologies Part No.	Description	Price Each
993-MMM-3014-DSL	MMM-3014-DSL	DDR3-1066 4GB 204P SO-DIMM	71.50

ADAPTER BOARDS AND ACCESSORIES

MOUSER STOCK NO.	Terasic Technologies Part No.	Description	Price Each
993-P0001	P0001	TRDB-D5M 5 Mega Pixel Digital Camera Package	85.00
993-P0003_GPIO	P0003_GPIO	THDB_ADA-GPIO Highspeed AD/DA GPIO Daughter Card	219.00
993-P0003_HSMC	P0003_HSMC	THDB_ADA-HSMC Highspeed AD/DA HSMC Daughter Card	219.00
993-P0017	P0017	DVI-HSMC Card (DVI-HSMC)	219.00
993-P0024	P0024	GPIO-HSTC Card (FEMALE)	55.00
993-P0033	P0033	GPIO-HSTC Male Daughter Card	55.00
993-P0035	P0035	AD/DA Data Conversion Card (DCC)	390.00
993-P0038	P0038	ETHERNET-HSMC Card (HSMC-NET)	249.00
993-P0039	P0039	SDI-HSMC Card (SDI-HSMC)	490.00
993-P0040	P0040	SFP-HSMC Card (SFP-HSMC)	590.00
993-P0052	P0052	XTS-HSMC Converter Card (XTS-HSMC)	140.00
993-P0078	P0078	HSMC Communication Card (COMM)	320.00
993-P0079	P0079	Camera Link Receiver HSMC Card (CLR-HSMC)	249.00
993-P0083	P0083	HDMI Transmitter Daughter Card	215.00
993-P0084	P0084	HDMI-HSTC (VER.1.4) Card (THDB-HDMI)	170.00
993-P0087	P0087	APTINA Sensor Adapter HSMC Card (AHA-HSMC)	299.00
993-P0096	P0096	PCIe x4 CBL Adapter (PCA) for TR4	130.00
993-P0102	P0102	Multi-Touch LCD Module 7"	235.00
993-P0113	P0113	PCIe x4 CBL Adapter (PCA) for TR4	150.00
993-P0057	P0057	HSMC Debug Loopback Connector Package	99.00
993-S0171	S0171	Height Extension Adapter Card (HMF3C)	49.50
993-S0172	S0172	Height Extension Adapter Card (HMF3D)	49.50
993-FCB-3041-SMT	FCB-3041-SMT	HSMC High Speed CBL DE4 TO DE4 CABLE	337.50
993-FCB-3051-UAS	FCB-3051-UAS	PCIE x4 Generation 2 Cable for TR4	60.50
993-P0302	P0302	USB-Blaster® Download Cable	50.00
993-S0005	S0005	160-PIN HSMC Flex Cable for NEEK	35.00

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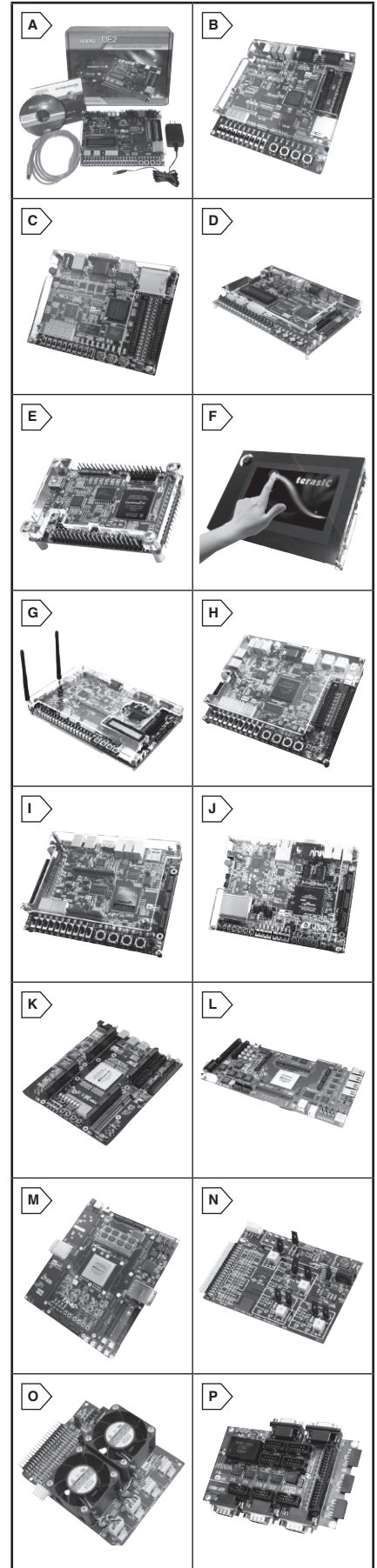
ADLINK TECHNOLOGY Digital Acquisition Modules

RoHS Compliant. **This page of product is RoHS compliant.**

ADLINK's Rugged by Design boards and systems support an endless array of applications. From delicate procedures, such as blood separation, to the front lines of a military engagement, ADLINK boards and systems provide unsurpassed reliability and quality.

DAQ - DIGITAL I/O BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each			
			1	5	10	25
976-DAQ-2010	DAQ-2010	4-CH 14-Bit 2 MS/s Simultaneous-Sampling Multi-Function DAQ Card	1358.28	1331.11	1317.80	1304.63
976-DAQE-2010	DAQe-2010	4-CH 14-Bit 2 MS/s Simultaneous-Sampling Multi-Function PCI Express® DAQ Card	1358.28	1331.11	1317.80	1304.63
976-PCI-7200	PCI-7200	12 MB/s High-Speed 32-CH DI & 32-CH DO PCI Card	254.03	248.95	246.46	243.99
976-PCI-7224	PCI-7224	24-CH Opto-22 Compatible DIO Card	126.35	123.83	122.59	121.36
976-PCI-7230	PCI-7230	32-CH Isolated Digital I/O PCI Cards	190.19	186.39	184.53	182.68
976-PCI-7248	PCI-7248	48-CH Opto-22 Compliant PCIe DIO Card	168.91	165.53	163.88	162.24
976-LPCI-7250	LPCI-7250	Low-Profile 8-CH Relay Outputs & 8-CH Isolated DI PCI Card	168.91	165.53	163.88	162.24
976-PCI-7250	PCI-7250	8-CH Relay Outputs & 8-CH Isolated DI PCI Cards	168.91	165.53	163.88	162.24
976-PCI-7251	PCI-7251	8-CH Relay Outputs & 8-CH Isolated DI PCI Cards	105.07	102.97	101.94	100.92
976-PCI-7256	PCI-7256	16-CH Latching Relay Outputs & 16-CH Isolated DI Card	264.67	259.38	256.79	254.21
976-PCI-7296	PCI-7296	96-CH Opto-22 Compliant PCIe DIO Card	190.19	186.39	184.53	182.68
976-PCI-7300A	PCI-7300A	80 MB/s High-Speed 32-CH Digital I/O PCI Card	823.27	806.80	798.73	790.75
976-PCI-7432	PCI-7432	32-CH Isolated DI & 32-CH Isolated DO Card	254.03	248.95	246.46	243.99
976-PCI-7442	PCI-7442	64-CH Isolated DI and 64-CH Isolated DO Card	533.33	522.66	517.44	512.26
976-PCI-9111HR	PCI-9111HR	16-CH 12/16-Bit 100 kS/s Multi-Function DAQ Cards	494.76	484.87	480.02	475.22
976-PCI-9112	PCI-9112	16-CH 12-Bit 110 kS/s Multi-Function DAQ Card	484.12	474.44	469.69	465.00
976-ACL-7122	ACL-7122	144 Channel Digital I/O Card	126.35	123.83	122.59	121.36
976-DAQ-2213	DAQ-2213	16 Ch 16 Bit 250Ks/S Lowcost M/F Daq Card	504.07	493.99	489.05	484.16
976-DIN-24R/24-01	DIN-24R/24-01	24 Ch Rly Out Term Board Din Socket	222.11	217.67	215.50	213.34
976-PCI-7396	PCI-7396	High Driving Capability 96Ch Digital I/O Card	211.47	207.24	205.17	203.12
976-PCI-8164	PCI-8164	Advanced 4-Axis Motion Controller	1270.15	1244.75	1232.30	1219.98
976-PCIE-7296	PCIe-7296	96Bit Digital I/O Pcie Card	190.19	186.39	184.53	182.68
976-PCIE-7300A	PCIe-7300A	80Mb/S Ultra Hs Pci Express Dio Card	823.27	806.80	798.73	790.75
976-PCIE-RTV24	PCIe-RTV24	4Ch Pcie X1 Realtime Video Capture Board	283.29	277.62	274.85	272.10
976-PXES-2590	PXES-2590	3U 9Slt Pxie Chassis All Hybrd Peripheral	3555.50	3473.45	3418.75	3364.05
976-PXI-2206	PXI-2206	64 Ch 250Ks/S 16 Bit Multi-Function Mod	1106.56	1084.43	1073.59	1062.85
976-PXIS-2700	PXIS-2700	18-Slot 3U PXI/CompactPCI Chassis	3242.25	3177.40	3145.63	3114.17
976-USB-7230	USB-7230	32-CH 2.5K VRMS Digital In USB DAQ	247.38	243.84	240.29	238.52
976-USB-7250	USB-7250	8-CH ISO DI / 8-CH Digi Relay Out DAQ	247.38	243.84	240.29	238.52
Module						
976-PCM-7230+	PCM-7230+	PC/104-Plus 16-CH Isolated DI & 16-CH Isolated DO module	232.75	228.10	225.82	223.56

CABLES, TERMINATION BOARDS, AND ACCESSORIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each			
			1	5	10	25
Module						
976-PCM-7230+	PCM-7230+	PC/104-Plus 16-CH Isolated DI & 16-CH Isolated DO module	232.75	228.10	225.82	223.56
Termination Boards						
976-ACLD-9137-01	ACLD-9137-01	General-Purpose Termination Board with one 37-pin D-sub Male Connector	44.00	43.12	42.69	42.26
976-ACLD-9137F-01	ACLD-9137F-01	General-Purpose Termination Board with one 37-pin D-sub Female Connector	44.00	43.12	42.69	42.26
976-ACLD-9182A-01	ACLD-9182A-01	Terminal Board with 16-CH Isolated Digital Inputs	99.75	97.75	96.78	95.81
976-ACLD-9185-01	ACLD-9185-01	Terminal Board with 16-CH Relay Outputs	131.67	129.04	127.75	126.47
976-ACLD-9188-01	ACLD-9188-01	General-Purpose Termination Board with One 37-pin D-sub Connector for PCI-9113A and ACL-8113A	48.13	47.17	46.69	46.23
976-DIN-20P-01	DIN-20P-01	Terminal Board with One 20-pin Header and DIN-rail Mounting	58.05	56.89	56.32	55.76
976-DIN-37D-01	DIN-37D-01	Terminal board with one 37-pin D-sub connector and DIN-rail mounting	70.20	68.80	68.11	67.42
976-DIN-50S-01	DIN-50S-01	Terminal board with one 50-pin SCSI-II connector and DIN-rail mounting	79.65	78.06	77.28	76.50
976-DIN-68S-01	DIN-68S-01	Terminal Board with One 68-pin SCSI-II Connector and DIN-Rail Mounting (Cables are not included)	60.75	59.54	58.94	58.35
976-DIN-100S-01	DIN-100S-01	Terminal Board with One 100-pin SCSI-II Connector and DIN-rail Mounting	108.17	106.01	104.95	103.90

FRAMEGRABBERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each			
			1	5	10	25
976-GIE62+	GIE62+	2-CH Gigabit Ethernet Frame Grabber Supporting Power over Ethernet	219.45	215.06	212.91	210.78
976-GIE64+	GIE64+	4-CH PCI Express® Power over Ethernet Frame Grabber	280.63	275.02	272.27	269.54
976-HDV62	HDV62	HDTV Frame Grabber / HDMI Video Capture Card	764.75	749.22	741.75	734.27
976-HDV62A	HDV62A	1-CH PCI Express® HDMI Video & Audio Capture Card	1219.40	1191.26	1172.50	1153.74
976-RTV-24	RTV-24	4 channel PCI real time video capture card for standard cameras	230.08	225.48	223.23	221.00

SMART CAMERAS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each
976-NEON-1040/SSD32G	NEON-1040/SSD32G	Intel® Atom™ Quad-Core Processor E3845 1.9GHz-based smart camera with 4MP, 60fps, global shutter sensor with 32G SSD	2767.00
976-NEON-1020-KIT	NEON-1020 StarterKit	2MP Smart Camera 16G Starter Kit	3438.50
976-NEON-1040-KIT	NEON-1040 StarterKit	4MP Smart Camera 32G Starter Kit	3875.00
Accessories			
976-NEON-VGA/USB	NEON-VGA/USB	3m cable for NEON to connect VGA and USB. M12 plug to VGA female and USB-type A female plug	45.00
976-NEON-PWR/IO	NEON-PWR/IO	3m cable for NEON to connect power, DI/O and UART cable, M12 to free cable end	75.00
976-NEON-GIGE	NEON-GIGE	5m Ethernet cable with shielded and AWG 26 stranded, M12 to RJ45 plug	118.27
976-NEON-IP67-KIT	NEON-IP67-KIT	Lens protector for NEON to achieved IP67 rated	139.00

MULTI-FUNCTION USB DAQ MODULES

ADLINK USB DAQ provides ease of connectivity with plug-and-play hardware and software, cost-effective solutions with convenience and accuracy

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each	
			1	10
976-USB-1901	USB-1901	16-CH 16-Bit 250kS/s Analog Input USB DAQ	541.79	528.66
976-USB-1902	USB-1902	16-CH 16-Bit 250kS/s Multi-Function USB DAQ	681.62	655.37
976-USB-2405	USB-2405	4-CH 24-Bit 128kS/s USB 2.0 DAQ Module	1384.78	1333.49
976-USB-2401	USB-2401	4-CH 24-Bit Universal Input USB DAQ Module	795.21	770.36
976-USB-3488A	USB-3488A	High-Performance IEEE-488 GPIB interface for USB	353.76	348.83

ADVANTECH Data Acquisition

RoHS Compliant **This page of product is RoHS compliant.**

ADVANTECH
Enabling an Intelligent Planet

SERIAL COMMUNICATION CARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Ports	Data Rate Max. (kbit/s)	Supply Current (mA)	Supply Voltage (V)	Type	Operating Temperature (°C)	Price Each 1	10	25
923-PCM-3610-CE	PCM-3610-CE	2	115.2	400	5	RS-232/422/485 PC/104 Module with Iso	-40 to +85	181.48	174.41	171.08
923-PCL-841-A2E	PCL-841-A2E	2	500	400	5	CAN-bus ISA Comm. Card with Iso	0 to +60	295.00	283.65	276.56
923-PCI-1601A-BE	PCI-1601A-BE	2	921.6	20	5	RS-422/485 Comm Card	-10 to +60	111.48	107.14	105.09
923-PCI-1602-BE	PCI-1602-BE	2	921.6	20	5	RS-422/485 Comm. Card with Surge and Iso	-10 to +60	192.56	185.06	181.52
923-PCI-1602UP-BE	PCI-1602UP-BE	2	921.6	20	5	RS-422/485 Low-Profile Univ. Comm. Card with Iso	-10 to +60	162.16	155.84	152.86
923-PCI-1603-BE	PCI-1603-BE	2	921.6	20	5	RS-232 Curr Loop Comm. Card with Surge and Iso	-10 to +60	222.97	214.28	210.19
923-PCI-1604UP-BE	PCI-1604UP-BE	2	921.6	20	5	RS-232 Low-Profile Univ. Comm. Card with Iso	-10 to +60	101.35	97.40	95.54
923-PCM-3680-BE	PCM-3680-BE	2	1000	400	5	Dual-port CAN-bus PC/104 Module	-40 to +85	147.02	141.29	138.59
923-PCM-3680I-AE	PCM-3680I-AE	2	1000	400	5	Dual-port Iso CAN-bus PC/104 Module	-40 to +85	228.58	219.67	215.47
923-PCI-1680U-AE	PCI-1680U-AE	2	1000	-	5	CAN Univ. Comm. Card with Iso	0 to +65	320.00	307.69	300.00
923-PCM-3641-AE	PCM-3641-AE	4	115.2	250	5	4-port RS-232 PCI-104 Module	0 to +60	90.74	87.20	85.54
923-PCL-746+-BE	PCL-746+-BE	4	115.2	800	5	RS-232/422/485 Comm. Card (30cm DB37 to 4 DB25 cable included)	0 to +50	217.90	209.41	205.41
923-PCI-1610B-BE	PCI-1610B-BE	4	921.6	20	5	RS-232 Univ. Comm. Card	-10 to +60	197.63	189.93	186.30
923-PCI-1610C-BE	PCI-1610C-BE	4	921.6	20	5	RS-232 Univ. Comm. Card with Surge and Iso	-10 to +60	400.00	384.61	375.00
923-PCI-1612A-CE	PCI-1612A-CE	4	921.6	20	5	RS-232/422/485 Univ. Comm. Card	-10 to +60	197.63	189.93	186.30
923-PCI-1612B-CE	PCI-1612B-CE	4	921.6	20	5	RS-232/422/485 Univ. Comm. Card with Surge	-10 to +60	233.10	224.02	219.74
923-PCI-1612C-BE	PCI-1612C-BE	4	921.6	20	5	RS-232/422/485 Univ. Comm. Card with Surge and Iso	-10 to +60	495.00	475.96	464.06
923-PCM-3643-08A1E	PCM-3643-08A1E	8	115.2	400	5	8 x COM RS-232 Port Module	0 to +60	110.81	106.49	104.45
923-PCI-1622C-CE	PCI-1622C-CE	8	921.6	20	5	RS-422/485 Univ. Comm. Card with Surge and Iso	-10 to +60	560.00	538.46	525.00
923-PCIE-1622B-AE	PCIE-1622B-AE	8	921.6	260	3.3	8-port RS-232/422/485 PCI Express Comm. Card with Surge	-10 to +60	465.00	447.11	435.93
923-PCM-3618I-AE	PCM-3618I-AE	8	921.6	450	5	8-port RS-232/422/485 PCI-104 Module	0 to +65	240.06	230.71	226.30
923-PCM-3618-AE	PCM-3618-AE	8	921.6	650	5	8-port RS-422/485 High-Speed Module	0 to +65	194.59	187.01	183.43
923-PCM-3718H-CE	PCM-3718H-CE	16	100	400	5	12-bit Multi. PC/104 Module	0 to +60	228.58	219.67	215.47
923-PCM-3718HG-CE	PCM-3718HG-CE	16	100	400	5	12-bit High-gain Multi. PC/104 Module	0 to +60	237.83	228.57	224.20
923-PCM-3753I-AE	PCM-3753I-AE	96	-	24	5	Digital I/O PCI-104 Module w/ 50p Cable	-20 to 70	294.66	283.33	276.25

GPIB INTERFACE COMMUNICATION CARD

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Ports	Data Rate Max. (Mbit/s)	GPIB Connections	Supply Voltage (V)	Type	Operating Temperature (°C)	Price Each 1	10	25
923-PCI-1671UP-AE	PCI-1671UP-AE	1	1.5	15	5	High-performance IEEE-488.2 interface PCI card	0 to +60	506.66	487.17	475.00

MULTIFUNCTION COMMUNICATION CARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Sampling Rate Max. (kS/s)	Resolution	Supply Voltage (V)	Type	Operating Temperature (°C)	Price Each 1	10	25
923-PCI-1711U-CE	PCI-1711U-CE	16	100	12	5	Entry-Level, 12-Bit Multi. Card	0 to +60	395.00	379.80	370.31
923-PCI-1718HDU-AE	PCI-1718HDU-AE	16	100	12	5	12-bit, Univ. PCI Multi. Card	0 to +60	592.73	569.93	555.68
923-PCL-812PG-CE	PCL-812PG-CE	16	30	12	5	12-bit, ISA Multi. Card	0 to +50	420.00	403.84	393.75
923-PCL-818L-CE	PCL-818L-CE	16	40	12	5	12-bit, ISA Multi. Card	0 to +50	330.00	317.30	309.37
923-PCI-1716-AE	PCI-1716-AE	16	250	16	5	16-bit, High-Resolution Multi. Card	0 to +70	592.73	569.93	555.68
923-PCI-1742U-AE	PCI-1742U-AE	16	1000	16	5	16-bit, Univ. PCI Multi. Card	0 to +60	833.22	801.58	786.64

ANALOG INPUT COMMUNICATION CARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Data Rate Max. (kbit/s)	Resolution	Supply Voltage (V)	Type	Operating Temperature (°C)	Price Each 1	10	25
923-PCI-1714U-BE	PCI-1714U-BE	4	3000	12	5	Simultaneous Analog Input PCI Card	0 to +60	1277.96	1229.43	1206.52
923-PCI-1713U-BE	PCI-1713U-BE	32	100	12	5	Isolated Analog Input PCI Card	0 to +60	545.00	524.03	510.93

ANALOG OUTPUT COMMUNICATION CARD

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Isolation Protection (VDC)	Resolution	Slew Rate (V/µs)	Type	Operating Temperature (°C)	Price Each 1	10	25
923-PCI-1720U-AE	PCI-1720U-AE	4	2500	12	2	Isolated AO Universal PCI Card	0 to +60	490.00	471.15	459.37

ISOLATED DIGITAL I/O COMMUNICATION CARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Isolation Protection (VDC)	Opto-Isolator Response (µs)	Input Resistance (kΩ)	Type	Operating Temperature (°C)	Price Each 1	10	25
923-PCI-1761-AE	PCI-1761-AE	8	2500	100	2	8-ch Relay/IDI PCI Card w/ 10-ch Counter/Timer	0 to +60	146.95	141.23	138.53
923-PCIE-1760-AE	PCIE-1760-AE	8	2500	25	2	8-ch Relay/IDI PCIe Card w/ 10-ch Counter/Timer	0 to +60	253.37	243.50	238.85
923-PCI-1762-AE	PCI-1762-AE	16	2500	100	2	16-ch Relay and 16-ch Isolated Digital Input PCI Card	0 to +60	275.00	264.42	257.81
923-PCI-1733-AE	PCI-1733-AE	32	2500	25	2.7	Isolated Digital Input PCI Card	0 to +60	212.83	204.54	200.63
923-PCI-1750-AE	PCI-1750-AE	32	2500	100	-	Isolated Digital I/O and Counter PCI Card	0 to +70	217.90	209.41	205.41
923-PCIE-1730-AE	PCIE-1730-AE	32	2500	50	2.7	32-ch Isolated Digital I/O PCIe Card	0 to +60	222.97	214.28	210.19
923-PCI-1751-AE	PCI-1751-AE	48	-	-	-	Digital I/O and Counter PCI Card	0 to +70	172.29	165.58	162.42
923-PCI-1754-AE	PCI-1754-AE	64	2000	25	-	Isolated Digital Input PCI Card	0 to +60	275.00	264.42	257.81
923-PCI-1756-AE	PCI-1756-AE	64	2000	25	-	Isolated Digital I/O PCI Card	0 to +60	275.00	264.42	257.81
923-PCI-1758UDIO-AE	PCI-1758UDIO-AE	64	2500	20	3	Isolated Digital I/O Universal PCI Card	0 to +60	645.00	620.19	604.68
923-PCIE-1756-AE	PCIE-1756-AE	64	2500	50	-	64-ch Isolated Digital I/O PCI Express Card	0 to +60	310.00	298.07	290.62

NON-ISOLATED DIGITAL I/O COMMUNICATION CARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Input Frequency (MHz)	Power Consumption (Max.)	Supply Voltage (V)	Type	Operating Temperature (°C)	Price Each 1	10	25
923-PCI-1737U-AE	PCI-1737U-AE	24	1	5V @ 294.9mA	30	Digital I/O Universal PCI Card	0 to +65	131.75	126.62	124.20
923-PCI-1735U-AE	PCI-1735U-AE	64	1	5V @ 98.8mA	30	Digital I/O and Counter Card	0 to +65	222.97	214.28	210.19
923-PCI-1753-BE	PCI-1753-BE	96	-	5V @ 2.7A	5	Digital I/O PCI Card	0 to +60	233.10	224.02	219.74

ISA COUNTER/TIMER CARD

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Frequency (MHz)	Resolution	Supply Voltage (V)	Type	Operating Temperature (°C)	Price Each 1	10	25
923-PCL-836-BE	PCL-836-BE	6	10	16	5	Counter/Timer ISA Card	0 to +60	238.17	228.89	224.52

ANALOG I/O MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Resolution (bit)	Isolation Voltage (V)	Accuracy	CMR@50/60Hz (dB)	Power Consumption (W)	Input Impedance (MΩ)	Operating Temp. (°C)	Price Each 1	10	25
923-ADAM-4016-A2E	ADAM-4016-A2E	1	16	3000	0.05%	150	2.2	2	-10 to +70	202.70	194.80	191.08
923-ADAM-4018-D2E	ADAM-4018-D2E	6	16	3000	±0.1%	120	0.8	20	-10 to +70	212.83	204.54	200.63

DIGITAL I/O MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Input Resistance (kΩ)	Power Consumption (W)	Power Dissipation (mW)	Connectors	Watchdog Timer	Operating Temp. (°C)	Price Each 1	10	25
923-ADAM-4050-DE	ADAM-4050-DE	15	10	0.4 @ 24V	300	2xplug-in terminal blocks (#14-22 AWG)	System (1.6 sec.)	-10 to +70	111.48	107.14	105.09

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ADVANTECH Data Acquisition

ADVANTECH
Enabling an Intelligent Planet

ISOLATED UNIVERSAL INPUT/OUTPUT MODBUS TCP MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Resolution (bit)	Input Impedance (MΩ)	Isolation Protection (V)	Power Consumption (W)	Power Dissipation (mW)	Overvoltage Protection (V)	CMR@50/60Hz (dB)	Accuracy	Price Each		
											1	10	25
923-ADAM-6024-A1E	ADAM-6024-A1E	12	16	20	2000	4 @ 24V	300	±35	90	±0.1%	480.00	461.53	450.00

DIGITAL I/O USB MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Resolution (bit)	Input Voltage (V)	Input Frequency (MHz)	Power Consumption (Max.)	Output Compatibility		I/O	Operating Temp. (°C)	Price Each		
							Sink	Source			1	10	25
923-USB-4751-AE	USB-4751-AE	48	32	0.8	10	5V@500mA	12mA@0.5V	12mA@3.8V	48	0 to +60	157.09	150.97	148.08
923-USB-4751L-AE	USB-4751L-AE	24	32	0.8	10	5V@500mA	12mA@0.5V	12mA@3.8V	24	0 to +60	136.82	131.49	128.98

DIGITAL I/O MODULE WITH MODBUS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Isolation Protection (V)	Power Dissipation (W)	Overvoltage Protection (V)	Power Consumption (W)	R(ON) (Max.) (mΩ)	Connectors	Watchdog Timer	Operating Temp. (°C)	Price Each		
											1	10	25
923-ADAM-4150-AE	ADAM-4150-AE	15	3000	1	40	0.7 @ 24V	150	2xplug-in terminal block (#14-22 AWG)	System (1.6 second) & Communication	-40 to +85	157.09	150.97	148.08

ISOLATED DIGITAL I/O MODBUS TCP MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Isolation Protection (V)	Power Consumption (W)	Power Input (V)	Connector	Watchdog Timer	Operating Temp. (°C)	Price Each		
									1	10	25
923-ADAM-6050-CE	ADAM-6050-CE	18	2000	2 @ 24V	10-30	RJ-45 (Ethernet), Plug-in Screw Terminal Block (I/O and Power)	System (1.6 second) & Communication (Programmable)	0 to +60	197.63	189.93	186.30
923-ADAM-6051-CE	ADAM-6051-CE	14	2000	2 @ 24V	10-30	RJ-45 (Ethernet), Plug-in Screw Terminal Block (I/O and Power)	System (1.6 second) & Communication (Programmable)	-20 to +70	197.63	189.93	186.30
923-ADAM-6052-CE	ADAM-6052-CE	16	2000	2 @ 24V	10-30	RJ-45 (Ethernet), Plug-in Screw Terminal Block (I/O and Power)	System (1.6 second) & Communication (Programmable)	-20 to +70	212.83	204.54	200.63
923-ADAM-6250-AE	ADAM-6250-AE	15	2500	3 @ 24V	10-30	Plug-in 5P/15P Screw Terminal Blocks	System (1.6 second) & Communication (Programmable)	-10 to +70	212.83	204.54	200.63

ANALOG INPUT MODULE WITH MODBUS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Resolution (bit)	Accuracy	CMR@ 50/60Hz (dB)	Power Consumption (W)	Input Impedance (Ω)	Connectors	Watchdog Timer	Operating Temp. (°C)	Price Each		
											1	10	25
923-ADAM-4117-AE	ADAM-4117-AE	8	16	±0.1%	92	1.2 @ 24V	800	2xplug-in terminal blocks (#14-22 AWG)	System (1.6 second) & Communication	-40 to +85	270.00	259.61	253.12

ISOLATED ANALOG INPUT MODBUS TCP MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Resolution (bit)	Input Impedance (MΩ)	Power Consumption (W)	Isolation Protection (V)	Power Input (V)	Accuracy	Price Each		
									1	10	25
923-ADAM-6017-BE	ADAM-6017-BE	8	16	10	2.7 @ 24V	2000	10-30	±0.1%	315.00	302.88	295.31
923-ADAM-6217-AE	ADAM-6217-AE	8	16	10	3.5 @ 24V	2500	10-30	±0.1%	325.00	312.50	304.68

DIGITAL INPUT MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Power Consumption (W)	Effective Distance (Max.) (m)	Connectors	Watchdog Timer	Operating Temp. (°C)	Price Each		
								1	10	25
923-ADAM-4053-AE	ADAM-4053-AE	16	1 @ 24V	500	2xplug-in terminal blocks (#14-22 AWG)	System (1.6 second)	-10 to 70	126.68	121.75	119.42

ISOLATED DIGITAL INPUT MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Input Resistance (kΩ)	Power Consumption (W)	Isolation Voltage (V)	Connectors	Watchdog Timer	Operating Temp. (°C)	Price Each		
									1	10	25
923-ADAM-4052-BE	ADAM-4052-BE	8	3	0.4 @ 24V	5000	2xplug-in terminal blocks (#14-22 AWG)	System (1.6 second)	-10 to +70	111.48	107.14	105.09

ISOLATED DIGITAL INPUT MODULE WITH MODBUS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Input Voltage (Max.) (V)	Input Resistance (kΩ)	Power Consumption (W)	Isolation Voltage (V)	Connectors	Watchdog Timer	Operating Temp. (°C)	Price Each		
										1	10	25
923-ADAM-4051-BE	ADAM-4051-BE	16	50	5.2	1 @ 24V	2500	2xplug-in terminal blocks (#14-28 AWG)	System (1.6 second)	-10 to 70	141.89	136.36	133.75

ISOLATED THERMOCOUPLE INPUT MODBUS TCP MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Resolution (bit)	Input Impedance (MΩ)	Power Consumption (W)	Power Dissipation (mW)	Overvoltage Protection (V)	CMR@50/60Hz (dB)	Accuracy	Price Each		
										1	10	25
923-ADAM-6018-BE	ADAM-6018-BE	8	16	10	2 @ 24V	300	±35	90	±0.1%	450.00	432.69	421.87

DIGITAL INPUT AND RELAY MODBUS TCP MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Isolation Protection (V)	Power Consumption (W)	Power Input (V)	Connector	Watchdog Timer	Operating Temp. (°C)	Price Each		
									1	10	25
923-ADAM-6060-CE	ADAM-6060-CE	6	2000	2 @ 24V	10-30	RJ-45 (Ethernet), Plug-in Screw Terminal Block (I/O and Power)	System (1.6 second) & Communication (Programmable)	-20 to +70	212.83	204.54	200.63
923-ADAM-6066-CE	ADAM-6066-CE	6	2000	2.5 @ 24V	10-30	RJ-45 (Ethernet), Plug-in Screw Terminal Block (I/O and Power)	System (1.6 second) & Communication (Programmable)	-20 to +70	228.04	219.15	214.96

ANALOG OUTPUT MODULE WITH MODBUS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Resolution (bit)	Isolation Voltage (V)	Accuracy	CMR@50/60Hz (dB)	Power Consumption (W)	Input Impedance (MΩ)	Operating Temp. (°C)	Price Each		
										1	10	25
923-ADAM-4024-B1E	ADAM-4024-B1E	4	12	3000	±0.1%	-	3	-	-10 to +70	275.00	264.42	257.81

ISOLATED ANALOG OUTPUT MODBUS TCP MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Resolution (bit)	Isolation Protection (V)	Output Impedance (Ω)	Power Consumption (W)	Power Input (V)	Connector	Watchdog Timer	Operating Temp. (°C)	Price Each		
											1	10	25
923-ADAM-6224-AE	ADAM-6224-AE	4	12	2500	2.1	6 @ 24V	10-30	Plug-in 5P/15P Screw Terminal Blocks	System (1.6 second) & Communication (Programmable)	-10 to +70	385.00	370.19	360.93

ISOLATED DIGITAL OUTPUT MODBUS TCP MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Isolation Protection (V)	Output Current (mA)	Power Consumption (W)	Power Input (V)	Connector	Watchdog Timer	Operating Temp. (°C)	Price Each		
										1	10	25
923-ADAM-6251-AE	ADAM-6251-AE	16	2500	-	2.7 @ 24V	10-30	Plug-in 5P/15P Screw Terminal Blocks	System (1.6 Seconds)	-10 to +70	212.83	204.54	200.63
923-ADAM-6256-AE	ADAM-6256-AE	16	2500	100	3.2 @ 24V	10-30	Plug-in 5P/15P Screw Terminal Blocks	System (1.6 second) & Communication (Programmable)	-10 to +70	212.83	204.54	200.63

ADVANTECH Data Acquisition

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RELAY OUTPUT MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Breakdown Voltage (V)	Power Consumption (W)	Insulation Resistance (GΩ)	Relay On/ Off Time (ms)	Connectors	Watchdog Timer	Operating Temp. (°C)	Price Each		
										1	10	25
923-ADAM-4060-DE	ADAM-4060-DE	4	500	0.8 @ 24V	1	3/2	2xplug-in terminal blocks (#14-22 AWG)	System (1.6 second)	-10 to +70	136.82	131.49	128.98

RELAY OUTPUT MODULE WITH MODBUS

For quantities greater than listed, call for quote.

923-ADAM-4068-BE	ADAM-4068-BE	8	500	0.6 @ 24V	1	3/4	2xplug-in terminal blocks (#14-28 AWG)	System (1.6 second) & Communication	-10 to +70	167.23	160.71	157.64

POWER RELAY OUTPUT MODULE WITH MODBUS

For quantities greater than listed, call for quote.

923-ADAM-4069-AE	ADAM-4069-AE	8	1000	2.2 @ 24V	1	5/5.6	2xplug-in terminal blocks (#14-28 AWG)	System (1.6 second) & Communication	-10 to +70	212.83	204.54	200.63

RELAY OUTPUT MODBUS TCP MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Isolation Protection (V)	Breakdown Voltage (V)	Power Consumption (W)	Power Input (V)	Connectors	Watchdog Timer	Operating Temp. (°C)	Price Each		
										1	10	25
923-ADAM-6260-AE	ADAM-6260-AE	6	2500	500	4.5 @ 24V	10-30	Plug-in 5P/15P Screw Terminal Blocks	System (1.6 second) & Communication (Programmable)	-10 to +70	212.83	204.54	200.63
923-ADAM-6266-AE	ADAM-6266-AE	4	2500	500	4.2 @ 24V	10-30	Plug-in 5P/15P Screw Terminal Blocks	System (1.6 second) & Communication (Programmable)	-10 to +70	212.83	204.54	200.63

RTD MODULE WITH MODBUS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Resolution (bit)	Isolation Voltage (V)	Accuracy	CMR@50/60Hz (dB)	Power Consumption (W)	Input Impedance (MΩ)	Operating Temp. (°C)	Price Each		
										1	10	25
923-ADAM-4015-CE	ADAM-4015-CE	6	16	3000	±0.1%	120	1.2	10	-10 to +70	345.00	331.73	323.43

ISOLATED RTD INPUT MODBUS TCP MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Resolution (bit)	Input Impedance (MΩ)	Power Consumption (W)	Isolation Protection (V)	Power Input (V)	CMR@50/60Hz (dB)	Accuracy	Price Each		
										1	10	25
923-ADAM-6015-BE	ADAM-6015-BE	7	16	10	2 @ 24V	2000	10-30	90	±0.1%	375.00	360.57	351.56

THERMISTOR MODULE WITH MODBUS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Resolution (bit)	Isolation Voltage (V)	Accuracy	CMR@50/60Hz (dB)	Power Consumption (W)	Input Impedance (MΩ)	Operating Temp. (°C)	Price Each		
										1	10	25
923-ADAM-4015T-AE	ADAM-4015T-AE	6	16	3000	±0.1%	120	1.2	10	-10 to +70	330.00	317.30	309.37

RS-422/485 REPEATER

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Transmission Speed (Kbps)	Isolation Protection (V)	Power (V)	Connector	LED Indicators	Operating Temp. (°C)	Price Each		
								1	10	25
923-ADAM-4510I-AE	ADAM-4510I-AE	115.2	3000	10-30	Plug-in Screw Terminal	Status, Comm	-40 to +85	182.43	175.32	171.97

RS-232 TO RS-422/485 CONVERTER

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Transmission Speed (Kbps)	Isolation Protection (V)	Power Consumption (W)	Power (V)	Connector	LED Indicators	Operating Temp. (°C)	Price Each		
									1	10	25
923-ADAM-4520I-AE	ADAM-4520I-AE	115.2	3000	1.2 @ 24V	10-48	1xplug-in terminal block (#14-22 AWG) (RS-422/485) 1xDB9-F (RS-232)	Status, Comm	-40 to +85	131.75	126.62	124.20

ISOLATED RS-232 TO RS-422/485 CONVERTER

For quantities greater than listed, call for quote.

923-ADAM-4520-EE	ADAM-4520-EE	115.2	3000	1.2 @ 24V	10-30	1xplug-in terminal block (#14-22 AWG) (RS-422/485) 1xDB9-F (RS-232)	Comm	-10 to +70	91.21	87.66	85.98

ADDRESSABLE RS-422/485 TO RS-232 CONVERTER

For quantities greater than listed, call for quote.

923-ADAM-4521-AE	ADAM-4521-AE	115.2	1000	1.0 @ 24	10-30	1xplug-in terminal block (#14-22 AWG) (RS-422/485) 1xDB9-F (RS-232)	Comm	-10 to +70	197.63	189.93	186.30

ISOLATED USB TO RS-232/422/485 CONVERTER

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Transmission Speed (Kbps)	Isolation Voltage (V)	Power Consumption (W)	Connector	LED Indicators	Operating Temp. (°C)	Price Each		
								1	10	25
923-ADAM-4561-CE	ADAM-4561-CE	115.2	3000	1.5 @ 5	1xplug-in terminal (#14-22 AWG) (3-Wire, RS-232/422/485)	Comm	0 to +70	141.89	136.36	133.75

USB 2.0 ISOLATED/NON-ISOLATED MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Ports	Input Voltage (V)	Speed (Mbps)	Power Consumption (Max.)	Supply Current (mA)	Isolation Protection (VDC)	Isolated	Operating Temp. (°C)	Price Each		
										1	10	25
923-USB-4620-AE	USB-4620-AE	5	10-30	12	24V@36mA	500	3000	Yes	0 to +60	325.00	312.50	304.68
923-USB-4622-CE	USB-4622-CE	5	10-30	480/12/1.5	24V@36mA	500	-	No	0 to +60	197.63	189.93	186.30
923-USB-4718-AE	USB-4718-AE	8	5-30	-	5V@100mA	200	2500	Yes	0 to +60	325.00	312.50	304.68
923-USB-4750-AE	USB-4750-AE	32	5-60	-	5V@300mA	100	2500	Yes	0 to +60	248.31	238.63	234.07
923-USB-4761-AE	USB-4761-AE	8	5-30	-	5V@400mA		2500	Yes	0 to +60	275.00	264.42	257.81

MULTIFUNCTION USB MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Resolution (bits)	Sampling Rate (kS/s)	Input Frequency (MHz)	Power Consumption (Max.)	Input Impedance (Ω)	Slew Rate (V/us)	Operating Temp. (°C)	Price Each		
										1	10	25
923-USB-4704-AE	USB-4704-AE	8	14	48	5	5V@100mA	127	0.7	0 to +55	192.56	185.06	181.52
923-USB-4711A-AE	USB-4711A-AE	16	12	150	0.001	5V@440mA	1G	0.15	0 to +60	545.00	524.03	510.93
923-USB-4716-AE	USB-4716-AE	16	16	200	0.001	5V@450mA	1G	0.7	0 to +60	630.00	605.76	590.62

COUNTER/FREQUENCY MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Frequency (Max.) (kHz)	Isolation Voltage (V)	Power Consumption (Max.)	Power Dissipation (mW)	Connectors	Watchdog Timer	Operating Temp. (°C)	Price Each		
										1	10	25
923-ADAM-4080-DE	ADAM-4080-DE	2	50	2500	2 @ 24V	300	2xplug-in terminal blocks (#14-22 AWG)	System (1.6 sec.)	-10 to +70	182.43	175.32	171.97

SIGNAL CONDITIONING MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Input Power (V)	Output Current (mA)	Power Consumption (W)	Accuracy	Stability (Typ.) (ppm)	Isolation Voltage (V)	Common Mode Rejection	Operating Temp. (°C)	Price Each		
										1	10	25
923-ADAM-3014-AE	ADAM-3014-AE	24	0-20	0.85	±0.1%	150	1000	>100dB@50Hz/60Hz	-10 to +70	178.37	171.42	168.15

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SERIAL BASED PID CONTROLLER WITH MODBUS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Resolution (bits)	Isolation Voltage (V)	Accuracy	CMR@50/60Hz (dB)	Power Consumption (W)	Input Impedance (MΩ)	Operating Temp. (°C)	Price Each		
										1	10	25
923-ADAM-4022T-AE	ADAM-4022T-AE	2	12	3000	-	-	4	-	-10 to +70	350.00	336.53	328.12

ETHERNET BASED DUAL-LOOP PID CONTROLLER

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Resolution (bits)	Input Impedance (MΩ)	Isolation Protection (V)	Power Consumption (W)	Power Dissipation (mW)	Overvoltage Protection (V)	CMR@50/60Hz (dB)	Accuracy	Price Each		
											1	10	25
923-ADAM-6022-A1E	ADAM-6022-A1E	12	16	20	2000	4 @ 24V	300	±35	90	±0.1%	430.00	413.46	403.12

PC/104 DATACOM MODULES

Dual GbE Module

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Description	Price Each		
			1	10	25
923-PCM-3665-00A1E	PCM-3665-00A1E	96 x 90mm, 0-60°C, Dual GbE with RJ-45 connector Module	152.70	146.75	143.94

PCI to ISA Bridge Module

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Description	Price Each		
			1	10	25
923-PCM-3117-00A1E	PCM-3117-00A1E	96 x 90mm, 0-60°C, PCI to ISA bridge Module	94.59	90.90	89.17

ISOLATED DIGITAL I/O PC/104 MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Isolation Protection (V)	Output Voltage (V)	Power Consumption (mA)	Sink Current (mA)	Operating Temp. (°C)	Price Each		
								1	10	25
923-PCM-3730-BE	PCM-3730-BE	16	2500	40	5V @ 500	200	0 to +60	125.20	120.32	118.02

DIGITAL I/O PC/104 MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Input Voltage (V)	Output Voltage (V)	Power Consumption (mA)	Sink Current (mA)	Operating Temp. (°C)	Price Each		
								1	10	25
923-PCM-3724-BE	PCM-3724-BE	48	0.8	0.5	5V @ 90	-	0 to +60	90.74	87.20	85.54

RELAY AND ISOLATED DIGITAL INPUT PC/104 MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	No. of Channels	Isolation Protection (V)	Overvoltage Protection (V)	Input Resistance (KΩ)	Power Consumption (mA)	Operating Temp. (°C)	Price Each		
								1	10	25
923-PCM-3725-AE	PCM-3725-AE	8	2500	70	4.7	5V @ 280	0 to +60	120.27	115.58	113.37

SATA CONVERTER MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Dimensions (mm)	Chipset	SATA Connector	PATA Connector	Operating Humidity	Operating Temp. (°C)	Price Each		
								1	10	25
923-PCM-233C-00A1E	PCM-233C-00A1E	53 x 25	ACARD ARC772-B5	7P	44-Pin IDE	0%-90%	0 to +60	28.57	26.66	26.31

I/O WIRING TERMINAL BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Description	Price Each		
			1	10	25
923-PCLD-782B-AE	PCLD-782B-AE	24-Ch, Opto-Isolated Digital Input Board w/20-pin and 50-pin Flat Cables	205.40	197.40	193.63
923-PCLD-785B-AE	PCLD-785B-AE	24-ch Relay Board w/ 20-pin and 50-pin Flat Cables	259.45	249.35	244.58
923-PCLD-8710-AE	PCLD-8710-AE	DIN-rail Wiring Terminal Board with CJC Circuit	136.21	130.90	128.40

DIN-RAIL TERMINAL BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Case Dimensions: mm (W x L x H)	To Be Used With	Description	Price Each		
					1	10	25
923-ADAM-3909-AE	ADAM-3909-AE	77.5 x 45 x 51	PCI-1714U/UL, PCL-728, PCL-740, PCL-741, PCL-743B, PCL-745B	DB9 DIN-rail Wiring Board	24.28	22.66	22.36
923-ADAM-3937-BE	ADAM-3937-BE	87.2 x 112.5 x 51	PCI-1713U, PCI-1715U, PCI-1718HDU, PCI-1720U, PCI-1730U, PCI-1733, PCI-1734, PCI-1750, PCI-1760U, PCI-1761	DB37 DIN-rail Wiring Board	54.64	51.00	50.32
923-ADAM-3951-BE	ADAM-3951-BE	77.5 x 179.5 x 41.5	PCI-1752U, PCI-1754, PCI-1756	50-pin DIN-rail Wiring Board with LED Indicators	86.14	82.79	81.21
923-ADAM-39100-AE	ADAM-39100-AE	80 x 230 x 42	PCI-1240U, PCI-1245, PCI-1245E, PCI-1245L, PCI-1265, PCI-1285, PCI-1285E	100-pin DIN-rail SCSI Wiring Board	109.12	104.87	102.86
923-ADAM-3962-AE	ADAM-3962-AE	77.5 x 124.5 x 63.5	PCI-1243U	DB62 DIN-rail Wiring Board	44.92	41.93	41.38
923-ADAM-3968-AE	ADAM-3968-AE	77.5 x 191.2 x 51	PCI-1710U/UL, PCI-1710HGU, PCI-1711U/UL, PCI-1712/L, PCI -1716/L, PCI-1741U, PCI-1742U, PCI-1747U, PCI-1721, PCI-1723, PCI-1751, PCI-1753, PCI-1723, PCI-1780U	68-pin DIN-rail SCSI Wiring Board	75.81	72.85	71.46

CABLES AND CABLE KITS

For quantities greater than listed, call for quote.

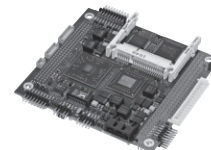| MOUSER STOCK NO.	Advantech Part No.	Description	Price Each		
			1	10	25
923-OPT1A-AE	OPT1A-AE	Power Cable, Double Ended, Male, RJ48-DB9, 1m	12.14	11.33	11.18
923-OPT1-DB9-AE	OPT1-DB9-AE	D-Sub Cable, Male, DB9	11.78	11.00	10.85
923-OPT4A-AE	OPT4A-AE	D-Sub Cable, Male/Male, DB37-DB9, 30cm	30.35	28.33	27.96
923-OPT8C-AE	OPT8C-AE	D-Sub Cable, Male/Male, DB62-DB25, 1m	34.00	31.73	31.31
923-OPT8H-AE	OPT8H-AE	D-Sub Cable, Male/Male, DB62-DB9, 1m	36.42	34.00	33.55
923-OPT8J-AE	OPT8J-AE	D-Sub Cable, Male/Male, DB78-DB9, 1m	60.71	56.66	55.92
923-PCL-101100S-2E	PCL-101100S-2E	100-pin, Serial Cable, 2m	60.71	56.66	55.92
923-PCL-10120-1E	PCL-10120-1E	20-pin Flat Cable, 1 m	6.07	5.66	5.59
923-PCL-10137-1E	PCL-10137-1E	DB37 Cable, 1m	14.57	13.60	13.42
923-PCL-10137-2E	PCL-10137-2E	DB37 Cable, 2m	18.21	17.00	16.77
923-PCL-10137-3E	PCL-10137-3E	DB37 Cable, 3m	24.28	22.66	22.36
923-PCL-10150-1.2E	PCL-10150-1.2E	50-pin Flat Cable, 1.2 m	17.00	15.86	15.65
923-PCL-10162-1E	PCL-10162-1E	DB62 Cable, 1 m	29.14	27.20	26.84
923-PCL-10162-3E	PCL-10162-3E	DB62 Cable, 3 m	58.28	54.40	53.68
923-PCL-10168-1E	PCL-10168-1E	68-pin SCSI Shielded Cable, 1 m	36.42	34.00	33.55
923-PCL-10168-2E	PCL-10168-2E	68-pin SCSI Shielded Cable, 2 m	48.57	45.33	44.73
923-PCL-10250-1E	PCL-10250-1E	100-pin SCSI to Two 50-pin SCSI Cable, 1 m	48.57	45.33	44.73
923-PCL-10268-1E	PCL-10268-1E	100-pin, Serial Cable, 1m	48.57	45.33	44.73
923-PCL-10502-AE	PCL-10502-AE	20-pin, Receptacle Serial Cable Kit	14.57	13.60	13.42

ADLINK TECHNOLOGY Embedded Modules

SINGLE BOARD COMPUTERS

Cool FrontRunner-AF with AMD Fusion®

Features:
- AMD Fusion® APU, single and dual core
- Up to 4 GB DDR3 RAM
- Graphics: Radeon HD6320 (T56N), Radeon HD6250 (T40R)
- LVDS: 1920 x 1200 resolution
- Gigabit Ethernet, 6x USB 2.0
- SATA port
- High Definition Audio
- Power consumption: max. 18W
- Extended temperature range: -40°C +85°C
- Supports Smart Embedded Management Agent (SEMA) functions

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	Price Each 10
976-CFRAFT56NE16HTS	CFR-AF-T56N-E-16/HTS	AMD Fusion® T56N G-Series Dual Core Processor at 1.65GHz with 4GB RAM, PC/104-Plus, 0 to 60°C	668.26	647.61

Cool LiteRunner-LX800 with AMD Geode™

LiPPERT by ADLINK Cool LiteRunner-LX800 PC/104 Single Board Computers are powered by an AMD Geode™ LX800 processor running at 500MHz. These SBCs feature 256MB soldered DDR-RAM, AC97 sound, and four USB 2.0 host ports. They are plug-in compatible to their predecessor family, the Cool LiteRunner 2.

Features:
- AMD Geode™ LX800 @0.9W, 500MHz, 256MB soldered
- DDR400 RAM
- Graphics up to 1920x1440 pixels - CRT, TFT, LVDS, with backlight
- 2x 100/10 BaseT Ethernet, 4x USB 2.0
- 2x RS232/RS422/RS485, 1x RS485/Irda
- AC97 sound
- IDE Ultra ATA100, CompactFlash™ socket
- Mini-PCI slot

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	Price Each 10
976-CLR-LX800-E-05	CLR-LX800-E-05	AMD Geode™ LX800 processor at 500MHz with 256MB RAM, PC/104, -20 to 60°C	547.36	530.44
Accessories				
976-CLR-LX800-X-01	CLR-LX800-X-01	Cable Set for Cool LiteRunner-LX800	74.48	72.25
976-THSH-CLR-ECO	THSH-CLR-ECO	Passive Heat Sink for Cool LiteRunner-ECO	56.37	54.69

Cool RoadRunner-LX800 with AMD Geode™

LiPPERT by ADLINK Cool RoadRunner-LX800 PC/104-Plus Single Board Computers are high-performance embedded PCs featuring AMD's powerful yet efficient Geode™ LX processor. The board comprises all peripherals needed for a full-fledged single board computer on a small 3.775" by 4.050" printed circuit board. The top-side connectors are fully plug-compatible with the previous series, the Cool RoadRunner II. The Cool RoadRunner-LX800 SBCs are powered by a 5V-only supply and supports ACPI, advanced power management, and PCI power management. These SBCs support Windows, Linux, and VxWorks operating systems.

Features:
- AMD Geode™ LX800 Processor @ 500MHz
- 1GB DDR333 RAM max
- Graphics up to 1920x1440 pixels
- CRT, TFT, LVDS, with backlight
- 100/10BaseT Ethernet, 4x USB 2.0
- 2x RS232/RS422/RS485, 1x RS485/Irda
- IDE Ultra ATA100
- CompactFlash™ socket
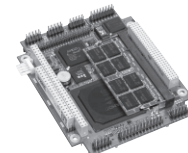
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	Price Each 10
976-CRR-LX800-R-500	CRR-LX800-R-500	AMD Geode™ LX800 processor at 500MHz with 1GB RAM, PC/104-Plus, -40 to 85°C	457.02	442.89
Cable Assembly				
976-CRR-LX800-X-01	CRR-LX800-X-01	Cable Set for Cool RoadRunner-LX800	71.82	69.67

Cool SpaceRunner-LX800 with AMD Geode™

Features:
- AMD Geode™ LX800 Processor, 500 MHz, 256 MB soldered DDR SDRAM
- Graphics up to 1920 x 1440 pixels - CRT, TFT, LVDS, with backlight
- LAN, 4 x USB 2.0
- 2x RS232/RS422/RS485
- 2GB Solid State Disk, IDE Ultra ATA100
- Extended temperature range: -40°C to +85°C
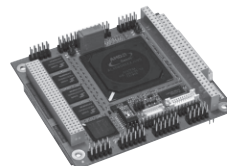
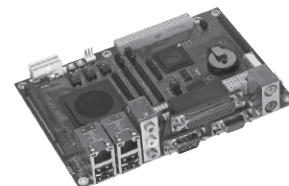*For quantities greater than listed, call for quote.*

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	Price Each 10
976-CSR-LX800-E-500	CSR-LX800-E-500	AMD Geode™ LX800 processor at 500MHz with 256MB RAM, PC/104-Plus, -40 to 85°C	518.13	502.12

EPIC Hurricane-LX800 with AMD Geode™

LiPPERT by ADLINK EPIC Hurricane-LX800 Single Board Computers feature AMD's powerful yet energy-efficient Geode™ LX800 0.9W processor, running at 500MHz. These modules integrate all peripherals needed to build an embedded PC on a small 115mm x 165mm (4.5" x 6.5") printed circuit board. With a CS5536 I/O companion and a Super I/O chip, all the standard peripherals are already on board.
The Hurricane-LX800 uses only 5.3W and can operate in extended temperature ranges without additional cooling. They are supplied with 5V-only and support ACPI, advanced, and PCI power management.

Features:
- AMD Geode™ LX800 Processor, 500MHz, 1GB DDR333 RAM max
- Graphics: up to 1920x1440 pixels
- CRT, TFT, LVDS, with backlight
- Dual port LAN switch, 4x USB 2.0
- 2x RS232/RS422/RS485, 1x RS485/Irda
- IDE Ultra ATA100, uDOC socket

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	Price Each 10
976-HUR-LX800-E-05	HUR-LX800-E-05	AMD Geode™ LX800 processor at 500MHz with 1GB RAM, PC/104-Plus, -20 to 60°C	490.23	475.08
976-HUR-LX800-R-05	HUR-LX800-R-05	AMD Geode™ LX800 processor at 500MHz with 1GB RAM, PC/104-Plus, -40 to 85°C	508.83	493.11
Cable Assembly				
976-HUR-LX800-X-01	HUR-LX800-X-01	Cable Set for EPIC Hurricane-LX800	45.90	44.54

## COMPUTER-ON-MODULE - TOUCAN-AF COM EXPRESS® MODULE WITH AMD FUSION®

LiPPERT by ADLINK Toucan-AF COM Express Modules feature an advanced graphics controller with DirectX® 11 support. The accelerated processing unit (APU) supports single or dual core processor independent high resolution displays and exceptional multi-media capability with hardware decode support for H.264, VC-1, MPEG2, WMV, DivX, and Adobe Flash.

Features:
- AMD Fusion APU, single and dual core
- Up to 4Gb DDR3 RAM
- Graphics: Radeon HD6250, 280MHz (T40R); Radeon HD6310, 600MHz (T56N)
- LVDS, DDI
- Gigabit LAN, 8x USB 2.0
- High Definition audio
- 4x SATA ports
- Fail-safe BIOS

Applications:
- Medical
- Digital signage
- Transport
- Traffic control
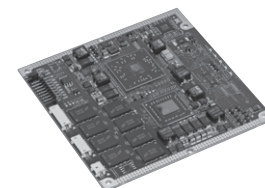
For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADLINK Part No.	Description	Price Each 1	Price Each 10
976-TOUCANAFT40RC102	Toucan-AF-T40R-C-10/2GB	AMD Fusion® T40R Single Core Processor at 1GHz with 2GB RAM, 0 to 60°C	484.92	469.93
Accessory				
976-MPCI-E-3MPCI	MPCI-E-3MPCI	PC/104+ PC104P-3MPCI -20 to +60	195.00	-

ADVANTECH Single Board Computers

ADVANTECH
Enabling an Intelligent Planet

RoHS Compliant. **This page of product is RoHS compliant.**

2.5" MI/O ULTRA PICO-ITX SINGLE BOARD COMPUTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	CPU	Chipset	Memory (GB)	Freq. (GHz)	Memory Type	Expansion	Price Each 1	10	25
923-MIO-2261N-S6A1E	MIO-2261N-S6A1E	Intel Atom N2600	Intel NM10	4	1.6	DDR3, L2	1xHalf, 1xSMBus, 1xI2C, 2 x USB 2.0, 2 x PCIe x1, LPC	268.00	257.69	251.25
923-MIO2261Z-2GS6A1E	MIO-2261Z-2GS6A1E	Intel Atom N2600	Intel NM10	4	1.6	DDR3, L2	1xHalf, 1xSMBus, 1xI2C, 2 x USB 2.0, 2 x PCIe x1, LPC	393.33	378.20	368.75
923-MIO-2261N-S8A1E	MIO-2261N-S8A1E	Intel Atom N2800	Intel NM10	4	1.86	DDR3, L2	1xHalf, 1xSMBus, 1xI2C, 2 x USB 2.0, 2 x PCIe x1, LPC	284.00	273.07	266.25
923-MIO2261Z22GS8A1E	MIO-2261Z2-2GS8A1E	Intel Atom N2800	Intel NM10	4	1.86	DDR3, L2	1xHalf, 1xSMBus, 1xI2C, 2 x USB 2.0, 2 x PCIe x1, LPC	448.00	430.76	420.00
923-MIO-2263E-S3A1E	MIO-2263E-S3A1E	Intel Atom E3825	Intel Atom SoC E3825	8	1.33	DDR3L, L2	1xHalf, 1xSMBus, 4xUSB 2.0	294.66	283.33	276.25
923-MIO-2263J-U0A1E	MIO-2263J-U0A1E	Intel Celeron J1900	Intel® Atom SoC Celeron J1900	8	2	DDR3L, L2	1xHalf Mini PCIe, 1xSMBus, 3 x USB 3.0, 1 x USB 3.0, 2 x COM	322.66	310.25	302.50

3.5" MIO/160 SINGLE BOARD COMPUTER

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Dimensions (mm)	Chipset	Speed (Mbps)	Interface	Standard	Operating Temperature (°C)	Price Each 1	10	25
923-MIO-6250-00A1E	MIO-6250-00A1E	102 x 85	3xRealTek RTL8139	10/100	3 x RJ-45	IEEE 802.3 u	0 to +60	83.78	80.51	78.98

3.5" MI/O COMPACT SINGLE BOARD COMPUTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	CPU	Chipset	Memory (GB)	Freq. (GHz)	Memory Type	Expansion	Price Each 1	10	25
923-MIO-5250D-S8A1E	MIO-5250D-S8A1E	Intel Atom D2550	Intel NM10	4	1.86	DDR3, L2	1xFull, 1xSMBus, 1xI2C, 2xUSB 2.0, 1xPCIe x1, LPC	349.33	335.89	327.50
923-MIO5250DZ22GS8A1E	MIO-5250DZ22GS8A1E	Intel Atom D2550	Intel NM10	4	1.86	DDR3, L2	1xFull, 1xSMBus, 1xI2C, 2xUSB 2.0, 1xPCIe x1, LPC	525.33	505.12	492.50
923-MIO-5250N-S6A1E	MIO-5250N-S6A1E	Intel Atom N2600	Intel NM10	4	1.6	DDR3, L2	1xFull, 1xSMBus, 1xI2C, 3xUSB 2.0, 1xPCIe x1, LPC	333.33	320.51	312.50
923-MIO5250NZ2GS6A1E	MIO-5250NZ-2GS6A1E	Intel Atom N2600	Intel NM10	4	1.6	DDR3, L2	1xFull, 1xSMBus, 1xI2C, 3xUSB 2.0, 1xPCIe x1, LPC	465.33	447.43	436.25
923-MIO-5251E-S3A1E	MIO-5251E-S3A1E	Intel Atom E3825	-	8	2.42	DDR3L, L2	1xFull, 3xUSB 2.0, 4xCOM, 1xPCIe x1	333.33	320.51	312.50
923-MIO-5251J-U0A1E	MIO-5251J-U0A1E	Intel Celeron J1900	-	8	1.33	DDR3L, L2	1xFull, 3xUSB 2.0, 1xUSB 3.0, 4xCOM, 1xPCIe x1	366.66	352.56	343.75
923-MIO-5270D-S0A1E	MIO-5270D-S0A1E	AMD G-Series T40E	AMD A50M	4	1	DDR3, L2	1xFull, 1xSMBus, 1xI2C, 3xUSB 2.0, 4xPCIe x1, LPC	344.00	330.76	322.50
923-MIO-5270D-S6A1E	MIO-5270D-S6A1E	AMD G-Series T56N	AMD A50M	4	1.65	DDR3, L2	1xFull, 1xSMBus, 1xI2C, 3xUSB 2.0, 4xPCIe x1, LPC	377.33	362.82	353.75
923-MIO5270DZ22GS0A1	MIO-5270DZ22GS0A1E	AMD G-Series T40E	AMD A50M	4	1	DDR3, L2	1xFull, 1xSMBus, 1xI2C, 3xUSB 2.0, 4xPCIe x1, LPC	492.00	473.07	461.25
923-MIO-5270S-S0A1E	MIO-5270S-S0A1E	AMD G-Series T40R	AMD A50M	4	1	DDR3, L2	1xFull, 1xSMBus, 1xI2C, 3xUSB 2.0, 4xPCIe x1, LPC	306.66	294.87	287.50
923-MIO-5271U-S6A1E	MIO-5271U-S6A1E	Intel Celeron 2980U	-	8	1.6	DDR3L, L3	1xHalf, 1xSMBus, 2xUSB 2.0, 2xUSB 3.0, 1xPCIe x1, LPC	574.66	552.56	538.75
923-MIO-5271U-S9A1E	MIO-5271U-S9A1E	Intel Core i5-4300U	-	8	1.9	DDR3L, L3	1xHalf, 1xSMBus, 2xUSB 2.0, 2xUSB 3.0, 1xPCIe x1, LPC	998.68	960.75	942.85
923-MIO-5290U-S4A1E	MIO-5290U-S4A1E	Intel Celeron 1047UE	Intel QM77	8	1.4	DDR3, DDR3L	1xFull, 1xSMBus, 1xI2C, 4xUSB 2.0, 2xUSB 3.0, 4xPCIe x1, LPC	486.66	467.94	456.25
923-MIO-5290U-S6A1E	MIO-5290U-S6A1E	Intel Core i3-3217UE	Intel QM77	8	1.6	DDR3, DDR3L	1xFull, 1xSMBus, 1xI2C, 4xUSB 2.0, 2xUSB 3.0, 4xPCIe x1, LPC	965.78	929.11	911.80

MULTIPLE I/O EXTENSION MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Description	Price Each 1	10	25
923-MIOE-110L-00A1E	MIOe-110L-00A1E	2 x RS-232, 2 x RS-232/422/485 (with power and isolation), 2 x USB 2.0 for Ultra	58.57	54.66	53.94
923-MIOE-210-D6A1E	MIOe-210-D6A1E	4 x RS232/422/485, 2 x RS422/485, 8-bit GPIO for Compact	77.02	74.02	72.61
923-MIOE-220-B3A1E	MIOe-220-B3A1E	3 x Intel® Gigabit Ethernet for MIO-5250/ MIO-5251/ MIO-5271	86.48	83.11	81.52
923-MIOE-230-L0A1E	MIOe-230-L0A1E	48-bit LVDS or DisplayPort1 , 2 x USB 2.0	58.57	54.66	53.94

MI/O EXTENSION EVALUATION BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	Description	Price Each
923-MIOEDB2000-00A1E	MIOE-DB2000-00A1E	MIOe EPIC Evaluation Board for MIO-2262	77.50
923-MIOEDB5000-00A1E	MIOE-DB5000-00A1E	MI/O-Compact, MI/O-Ultra ATX Evaluation Board	246.25

PC/104 CPU MODULE SINGLE BOARD COMPUTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	CPU	Chipset	Memory (GB)	Freq. (GHz)	Memory Type	Expansion	Price Each 1	10	25
923-PCM3343Z2-256A1E	PCM-3343Z2-256A1E	DM&P Vortex86DX	SMI SM712	0.5	0.8	DDR2, SDRAM	1xI2C, 1xPC/104, 1xGPIO, 8xCOM, 6xUSB 2.0, 2xLAN	312.00	300.00	292.50
923-PCM-3343Z-256A1E	PCM-3343Z-256A1E	DM&P Vortex86DX	SMI SM712	0.5	0.8	DDR2, SDRAM	1xI2C, 1xPC/104, 1xGPIO, 2xCOM, 4xUSB 2.0, 2xLAN	268.00	257.69	251.25
923-PCM-3353F-J0A2E	PCM-3353F-J0A2E	AMD LX600	ALC203	1	0.366	DDR	1xPC/104-Plus, 1xGPIO, 4xCOM, 4xUSB 2.0	266.21	255.84	250.95
923-PCM-3353F-L0A1E	PCM-3353F-L0A1E	AMD Geode LX800	AMD Geode LX800	1	0.5	DDR	1xPC/104-Plus, 1xGPIO, 4xCOM, 4xUSB 2.0	273.33	262.82	256.25
923-PCM-3353F-L0A2E	PCM-3353F-L0A2E	AMD Geode LX800	AMD Geode CS5536	1	0.5	DDR	1xPC/104-Plus, 1xGPIO, 4xCOM, 4xUSB 2.0	273.33	262.82	256.25
923-PCM-3353Z-L0A1E	PCM-3353Z-L0A1E	AMD Geode LX800	AMD Geode LX800	1	0.5	DDR	1xPC/104-Plus, 4xCOM, 4xUSB 2.0	338.66	325.64	317.50
923-PCM3363N-1GS6A1E	PCM-3363N-1GS6A1E	Intel Atom N455	Intel ICH8M	1	1.66	DDR3	1xPC/104, 1xGPIO, 4xCOM, 4xUSB 2.0	382.66	367.94	358.75
923-PCM3363Z21GS6A1E	PCM-3363Z2-1GS6A1E	Intel Atom N455	Intel ICH8M	1	1.66	DDR3	1xPC/104, 1xGPIO, 4xCOM, 4xUSB 2.0	525.33	505.12	492.50
923-PCM3363D-1GS8A1E	PCM-3363D-1GS8A1E	Intel Atom D525	Intel ICH8M	1	1.8	DDR3	1xPC/104-Plus, 1xGPIO, 4xCOM, 4xUSB 2.0	416.00	400.00	390.00
923-PCM-3362N-S6A1E	PCM-3362N-S6A1E	Intel Atom N450	Intel ICH8M	2	1.66	DDR2	1xI2C, 1xPC/104-Plus, 1xGPIO, 4xCOM, 4xUSB 2.0	338.66	325.64	317.50
923-PCM-3362N-S6F4A1E	PCM-3362N-S6F4A1E	Intel Atom N450	Intel ICH8M	2	1.66	DDR2	1xI2C, 1xPC/104-Plus, 1xGPIO, 4xCOM, 4xUSB 2.0	382.66	367.94	358.75
923-PCM-3362Z-1GS6A1E	PCM-3362Z-1GS6A1E	Intel Atom N450	Intel ICH8M	2	1.66	DDR2	1xI2C, 1xPC/104-Plus, 1xGPIO, 4xCOM, 4xUSB 2.0	541.33	520.51	507.50
923-PCM3362Z21GS6A1E	PCM-3362Z21GS6A1E	Intel Atom N450	Intel ICH8M	2	1.66	DDR2	1xI2C, 1xPC/104-Plus, 1xGPIO, 4xCOM, 4xUSB 2.0	574.66	552.56	538.75

3.5" CPU SINGLE BOARD COMPUTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	CPU	Chipset	Memory (GB)	Freq. (GHz)	Memory Type	Expansion	Price Each 1	10	25
923-PCM9343FGZ2S6A1E	PCM-9343FGZ2-S6A1E	DM&P Vortex86DX	SMI SM712	0.5	0.8	DDR2	1xI2C, 1xPC/104, 1xGPIO, 5xCOM, 4xUSB 2.0	338.66	325.64	317.50
923-PCM9343FGZ-S6A1E	PCM-9343FGZ-S6A1E	DM&P Vortex86DX	SMI SM712	0.5	0.8	DDR2	1xI2C, 1xPC/104, 1xGPIO, 5xCOM, 4xUSB 2.0	294.66	283.33	276.25
923-PCM-9375E-J0A1E	PCM-9375E-J0A1E	AMD Geode LX800	AMD CS5536	1	0.5	DDR	1xPC/104, 1xGPIO, 5xCOM, 4xUSB 2.0	278.66	267.94	261.25
923-PCM-9375F-J0A1E	PCM-9375F-J0A1E	AMD Geode LX800	AMD CS5536	1	0.5	DDR	1xPC/104, 1xGPIO, 5xCOM, 4xUSB 2.0	268.00	257.69	251.25
923-PCM-9375FZ2-J0A1E	PCM-9375FZ2-J0A1E	AMD Geode LX800	AMD CS5536	1	0.5	DDR	1xPC/104, 1xGPIO, 5xCOM, 4xUSB 2.0	437.33	420.51	410.00
923-PCM-9362D-S6A1E	PCM-9362D-S6A1E	Intel Atom D510	Intel ICH8M	2	1.66	DDR2	1xFull, 1xSMBus, 1xGPIO, 4xCOM, 6xUSB 2.0	312.00	300.00	292.50
923-PCM-9362NC-S6A1E	PCM-9362NC-S6A1E	Intel Atom N450	Intel ICH8M	2	1.66	DDR2	1xFull, 1xSMBus, 1xGPIO, 4xCOM, 6xUSB 2.0	289.33	278.20	271.25
923-PCM-9362N-S6A1E	PCM-9362N-S6A1E	Intel Atom N450	Intel ICH8M	2	1.66	DDR2	1xFull, 1xSMBus, 1xGPIO, 4xCOM, 6xUSB 2.0	289.33	278.20	271.25
923-PCM-9363N-S6A1E	PCM-9363N-S6A1E	Intel Atom N455	Intel ICH8M	2	1.66	DDR3	1xFull, 1xSMBus, 1xGPIO, 4xCOM, 6xUSB 2.0	301.33	289.74	282.50
923-PCM-9389N-S6A1E	PCM-9389N-S6A1E	Intel Atom N455	Intel ICH8M	2	1.66	DDR3	1xI2C, 1xPC/104, 1xSMBus, 1xGPIO, 5xCOM, 4xUSB 2.0	312.00	300.00	292.50
923-PCM-9376E-M0A1E	PCM-9376E-M0A1E	AMD G-Series T16R	AMD T16R + A55E	4	0.5	DDR3	1xPC/104, 1xGPIO, 1xSMBus, 4xUSB 2.0, 4xLAN	289.33	278.20	271.25
923-PCM-9363D-S8A1E	PCM-9363D-S8A1E	Intel Atom D525	Intel ICH8M	4	1.8	DDR3	1xFull, 1xSMBus, 1xGPIO, 4xCOM, 6xUSB 2.0	322.66	310.25	302.50
923-PCM-9389D-S8A1E	PCM-9389D-S8A1E	Intel Atom D525	Intel ICH8M	4	1.8	DDR3	1xI2C, 1xPC/104, 1xGPIO, 5xCOM, 4xUSB 2.0	322.66	310.25	302.50

5.25" EBX CPU SINGLE BOARD COMPUTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Advantech Part No.	CPU	Chipset	Memory (GB)	Freq. (GHz)	Memory Type	Expansion	Price Each 1	10	25
923-PCM-9562DF-S6A1E	PCM-9562DF-S6A1E	Intel Atom D510	Intel ICH8M	2	1.66	DDR2	1xI2C, 1xPC/104, 1xSMBus, 1xGPIO, 6xCOM, 8xUSB 2.0	393.33	378.20	368.75
923-PCM-9562D-S6A1E	PCM-9562D-S6A1E	Intel Atom D510	Intel ICH8M	2	1.66	DDR2	1xI2C, 1xPC/104, 1xSMBus, 1xGPIO, 7xCOM, 8xUSB 2.0	338.66	325.64	317.50
923-PCM9562NZ1GS6A1E	PCM-9562NZ-1GS6A1E	Intel Atom N450	Intel ICH8M	2	1.66	DDR2	1xI2C, 1xPC/104, 1xSMBus, 1xGPIO, 7xCOM, 8xUSB 2.0	502.66	483.33	471.25
Accessories			Description							
923-PCM-261L-A0A1E	PCM-261L-A0A1E		24-bit LVDS to DVI Add-On Module for PCM-9562E					68.91	66.23	64.96
923-PCM-261L-B0A1E	PCM-261L-B0A1E		18-bit LVDS to DVI Add-On Module for PCM-9562E					94.59	90.90	89.17
923-PCM-261T-A0A1E	PCM-261T-A0A1E		24-bit TTL to DVI Module for PCM-9562E					68.91	66.23	64.96
923-PCM-110-00A3E	PCM-110-00A3E		1-slot PCI Riser Card for 5.25" Biscuit SBCs					38.57	36.66	35.52
923-PCM-10586-9562E	PCM-10586-9562E		PCM-9562 Cable Kit					60.00	56.00	55.26
923-1750001980	1750001980		ETX/XTX 2nd-pc Cooler					24.28	22.66	22.36

ARBOR TECHNOLOGY COM and Single Board Computers **ARBOR**

COMPUTER ON MODULES

QSeven

MOUSER STOCK NO.	Arbor Technology Part No.	Description	Price Each
813-EMQ-I2301-E3825	EMQ-I2301-E3825	Soldered Onboard Intel® Atom™ Processor E3825 family, Dual Channels 24-bit LVDS, DDI Port, Extended Operating Temp.: -20 ~ 70°C	214.28
813-EMQ-I2301-E3845	EMQ-I2301-E3845	Soldered Onboard Intel® Atom™ Processor E3845 family, Dual Channels 24-bit LVDS, DDI Port, Extended Operating Temp.: -20 ~ 70°C	244.44
813-EMQ-I2506	EMQ-I2506	Soldered onboard Intel® Atom™ Processor N2600, Single Channel 18-bit LVDS, Analog RGB, DDI Port, Extended Operating Temp.: -20 ~ 70°C	174.60

COM Express

MOUSER STOCK NO.	Arbor Technology Part No.	Description	Price Each
813-EMETXEI87M04402E	EMETXE-I87M0-4402E	Soldered onboard Intel® 4th Generation Core™ i5-4402E 1.6GHz processor Basic Type 6, Dual Channels 24-bit LVDS, Analog RGB, and 3 x DDI Ports, Extended Operating Temp.: -20 ~ 70°C	773.01
813-EMETXI87M04700EQ	EMETXE-I87M0-4700EQ	Soldered onboard Intel® 4th Generation Core™ i5-4700EQ 2.4GHz processor Basic Type 6, Dual Channels 24-bit LVDS, Analog RGB, and 3 x DDI Ports, Extended Operating Temp.: -20 ~ 70°C	971.42
813-EMNANOA56M0210HA	EMNANO-A56M0-210HA	Soldered onboard AMD G-Series SoC GX-210HA dual-core Mini Type 10, Single Channel 18-bit LVDS and 1 x DDI port, Extended Operating Temp.: -20 ~ 70°C	261.90
813-EMNANOI2300E3825	EMNANO-I2300-E3825	Soldered onboard Intel ®Atom™ Processor E3825 Family Mini Type 10, 1 x DDI port, 1 x LVDS port, 1 x USB 3.0 port, 8 x USB 2.0 ports, 1 x Serial port, Extended Operating Temp.: -20 ~ 70°C	220.63
813-EMNANOI2300E3845	EMNANO-I2300-E3845	Soldered onboard Intel ®Atom™ Processor E3845 Family Mini Type 10, 1 x DDI port, 1 x LVDS port, 1 x USB 3.0 port, 8 x USB 2.0 ports, 1 x Serial port, Extended Operating Temp.: -20 ~ 70°C	251.00

Carrier Boards

MOUSER STOCK NO.	Arbor Technology Part No.	Description	Price Each
813-PBE-1702	PBE-1702	COM Express® Type 6 Evaluation Board in ATX Form Factor, Dual Gigabit Ethernet Ports, DVI, Dual Channels LVDS, DisplayPort and Analog RGB supported, Extended Operating Temp.: -20 ~ 70°C	211.11
813-PBN-9007	PBN-9007	COM Express Type 10 Carrier Board, LVDS, and Display Port, Soldered Onboard Touch Screen Controller, Wide Range Operating Temp.: -40 ~ 85°C	182.53
813-PBQ-3000	PBQ-3000	Qseven® Carrier Board in EPIC Form Factor, Single Channel 24-bit LVDS/ Dual Channels 24-bit LVDS, Wide Range DC Power Input: 10V ~ 30V	150.79
813-STARTKIT-03-2506	STARTERKIT-003-2506	Qseven™ Starter Kit for EmQ-i2506	1269.84

SINGLE BOARD COMPUTERS

PC/104 and PC/104+ CPU Modules

MOUSER STOCK NO.	Arbor Technology Part No.	Description	Price Each
813-EM104-I290K-N4	EM104-I290K-N4	Soldered Onboard Intel® Atom™ N455 Processor, 18-bit LVDS and Analog RGB, 1.6GHz, Four Full RS-232/485 Selectable (RS-485 with Auto Flow Control), Extended Operating Temp.: -20 ~ 70°C	296.83
813-EM104P-I2904-N4	EM104P-I2904-N4	Soldered Onboard Intel® Atom™ N455 Processor, 18-bit LVDS and Analog RGB, 1.6GHz, Wide-Range Operating Temp.: -40 ~ 85°C	303.17
813-EM104P-I2909-N4	EM104P-I2909-N4	Soldered Onboard Intel® Atom™ D525 Processor, 18-bit LVDS and Analog RGB, 1.86GHz, 2 x RS-232 ports, Extended Operating Temp.: -20 ~ 70°C	304.76

RUGGED BOX PCS

Extended Temperature Box PC

MOUSER STOCK NO.	Arbor Technology Part No.	Description	Price Each
813-ARES-5300	ARES-5300	Programmable Embedded Controller with Intel® Celeron® Processor J1900, Fanless, Cable-less and Modularized Design, Wide Range DC Power Input (9 ~ 36V), Outside accessible CFast Slot	725.00
813-ARES-6363-EP	ARES-6363-EP	Robust Fanless Box PC with Intel® Core™ i5-3610ME Platform, Fanless Design, Support 6 x LAN and 6 x Isolated Serial Ports, RS-485 Auto-flow Function Supported	771.42
813-FPC-3130	FPC-3130	Robust Box PC with Intel® Atom™ Processor D2550 Platform, Ultra Low Power and Fanless & Cable Less Design, Wide Range DC Power Input (10 ~ 32V), RS-485 Auto-flow supported, Wide Operating Temperature (-20 ~ 70°C)	507.93
813-FPC-7700	FPC-7700	Robust Box PC with 3rd Generation Intel® Core™ i7/i5/i3/Celeron® Processor Platform, Fanless Design, Wide Range DC Power Input (9 ~36V), Various Video Interfaces (DVI-I + DVI-D) supported, Memory Support up to 16GB (DDR3)	680.95
813-FPC-7701	FPC-7701	Robust Box PC with 3rd Generation Intel® Core™ i7/i5/i3/Celeron® Processor Platform, Fanless Design w/ 1 x PCI + 1 x PCIe x16, Wide Range DC Power Input (9 ~36V), Various Video Interfaces (DVI-I + DVI-D) supported, Memory Support up to 16GB (DDR3)	728.57
813-FPC-7702	FPC-7702	Robust Box PC with 3rd Generation Intel® Core™ i7/i5/i3/Celeron® Processor Platform, Fanless Design w/ 1 x PCIex8 + 1 x PCIe x16, Wide Range DC Power Input (9 ~36V), Various Video Interfaces (DVI-I + DVI-D) supported, Memory Support up to 16GB (DDR3)	728.57

Digital Signage

MOUSER STOCK NO.	Arbor Technology Part No.	Description	Price Each
813-ELIT-1000	ELIT-1000	Digital Signage Player with Intel® Atom™ Processor D2550 Platform, Fanless Design, RS-485 Auto-flow Function Supported, 2 x Independent Line-out w/ 500mW Pre-amplified	300.00
813-ELIT-1200	ELIT-1200	Digital Signage Player with AMD R-Series APU, Fanless and Compact Design, SIM Card Socket, 4 x USB3.0, 2 x USB2.0 supported, 2 x HDMI, 1 x DVI-D Output supported, Operating Temperature: -20 ~ 50°C	528.57

ACCESSORIES

Heatsinks

813-HS-0000-W1	HS-0000-W1	Universal Evaluation Heatsink Kit for COMe/ETX/XTX	42.85
813-HS-0000-W3	HS-0000-W3	Universal Evaluation Heatsink Kit for Qseven CPU Module (70x70x30mm)	20.63
813-HS-0000-W4	HS-0000-W4	Universal Evaluation Heatsink Kit with Thermal Pad (Dimensions: 125x95x22mm, only used on a flat-type heat spreader)	34.92

Heat Spreaders

813-HS-2506-F1	HS-2506-F1	Heat Spreader (70.0x65.0x8.0mm)	22.22
813-HS-56M0-C1	HS-56M0-C1	Heat Spreader with Fan for EmNANO-a56M0	31.74
813-HS-56M0-F1	HS-56M0-F1	Heat Spreader for EmNANO-a56M0	19.04
813-HS-87M0-F1	HS-87M0-F1	Heat Spreader (125x95x18mm), not Compatible with WT series	36.50
813-HS-87M0-F2	HS-87M0-F2	Heat Spreader (95x95x11mm), not Compatible with WT series	20.63

Antennas

813-ANT-D11	ANT-D11	1 x WiFi Dual-band 2.4G/5G External Antenna	4.76
813-ANT-H11	ANT-H11	1 x 2dBi HSUPA External Antenna	4.76

Cable Kits

813-CBK-04-1702-00	CBK-04-1702-00	Cable Kit for PBE-1702, Kit includes various COM, USB, SATA, VGA cables	11.11
813-CBK-05-9007-00	CBK-05-9007-00	Cable Kit for PBN-9007, Kit includes various COM, USB, SATA, VGA cables	12.69
813-CBK-06-3000-00	CBK-06-3000-00	Cable Kit for PBQ-3000, Kit includes various COM, USB, SATA, VGA cables	42.85
813-CBK-09-2904-00	CBK-09-2904-00	Cable Kit for Em104P-i2904, Kit includes various COM, USB, SATA, VGA cables	23.80
813-CBK-11-290K-00	CBK-11-290K-00	"Cable Kit for Em104-i290K, Kit includes various COM, USB, SATA, VGA cables"	31.74

Fan

813-CPF-0000-C1	CPF-0000-C1	5400RPM CPU Fan for HS-0000-W1	7.93

Adapter Kit

813-PAC-B120W-FSP	PAC-B120W-FSP	19V/6.32A, 120W AC/DC Adapter Kit	57.14

D-Sub Cables

813-CBL-7100-COM	CBL-7100-COM	1 x 44-pin male to 4 x DB-9 female + 1 x DB-9 female COM Converter Cable for FPC-71/75/77XX	12.69
813-CBL-7310-COM	CBL-7310-COM	4 x COM Ports Converter Cable for FPC-3130/7310	12.69

Mounting Kits

813-DRK-001	DRK-001	Din Rail Kit for Rugged Box PC, FPC and EPC series, Din Rail 35mm, SPCC + Ni	22.22
813-VMK-3100	VMK-3100	VESA + Wall Mounting for Rugged Box PC, Kit for FPC-31XX, Grey, SECC	28.57
813-WMK-3100	WMK-3100	Wall Mounting for Rugged Box PC, Kit for FPC-31XX, Grey, SECC	12.69
813-WMK-7000	WMK-7000	Wall Mounting for Rugged Box PC, Kit for FPC-7XXX, Grey, SPCC + Ni	7.93

RF Module Kit and Wiring

813-HSPA-SI1400	HSPA-SI1400	HSUPA 3.75G, RF Module Kit and Wiring	119.04

AXIOMTEK Embedded Computer Modules

AXIOMTEK

RoHS Compliant **This page of product is RoHS compliant.**

SINGLE BOARD COMPUTERS

3.5" Capa

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Axiomtek Part No.	Description	Price Each
AMD G-Series			
960-CAPA110VPGGAT56N	CAPA110VPGGA-T56N/24	AMD G-Series APU T56N+A50M with Dual LANs, 4 COM Ports, 6 USB and Audio, VGA/LVDS/DisplayPort	422.94
960-CAPA111VGGA-T40E	CAPA111VGGA-T40E	AMD G-Series APU T40E+A50M with Dual LANs, 4 COM Ports, 6 USB and Audio, VGA/LVDS	381.32
960-CAPA111VGGA-T40R	CAPA111VGGA-T40R	AMD G-Series APU T40R+A50M with Dual LANs, 4 COM Ports, 6 USB and Audio, VGA/LVDS	366.00
960-CAPA112VGGA-T16R	CAPA112VGGA-T16R	AMD G-Series APU T16R 615MHz with Dual LANs, 4 COM Ports, 6 USB, LVDS/VGA	340.00
960-CAPA112VGGA-T40E	CAPA112VGGA-T40E	AMD G-Series APU T40E 1.0GHz with Dual LANs, 4 COM Ports, 6 USB, LVDS/VGA	370.00
Intel® Atom™			
960-CAPA801VGGA-D525	CAPA801VGGA-D525	Intel® Atom™ D525+ ICH8M with Dual Gigabit LAN, 4 COM Ports, 6 USB and Audio	381.00
960-CAPA801VGGA-N455	CAPA801VGGA-N455	Intel® Atom™ N455+ ICH8M with Dual Gigabit LAN, 4 COM Ports, 6 USB and Audio	391.00
960-CAPA830VHGGAN280	CAPA830VHGGA-N2800	Intel® Atom™ N2800+NM10 with Dual LANs, 2 COM Ports, 6 USB and Audio, VGA/LVDS/HDMI	426.00
960-CAPA831VPGGAD255	CAPA831VPGGA-D2550	Intel® Atom™ D2550+NM10 with Dual LANs, 4 COM Ports, 6 USB and Audio, VGA/LVDS/DisplayPort	391.00
960-CAPA831VPGGAN260	CAPA831VPGGA-N2600	Intel® Atom™ N2600+NM10 with Dual LANs, 4 COM Ports, 6 USB and Audio, VGA/LVDS/DisplayPort	389.00
960-CAPA831VPGGAN280	CAPA831VPGGA-N2800	Intel® Atom™ N2800+NM10 with Dual LANs, 4 COM Ports, 6 USB and Audio, VGA/LVDS/DisplayPort	401.00

Nano-ITX

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Axiomtek Part No.	Description	Price Each
AMD G-Series			
960-NANO100VPGGAT56N	NANO100VPGGA-T56N	AMD G-Series APU T56N+A50M with Dual LANs, 2 COM Ports, 6 USB and Audio, VGA/LVDS/DisplayPort	341.08
960-NANO101VGGA-T40E	NANO101VGGA-T40E	AMD G-Series APU T40E+A50M with Dual LANs, 2 COM Ports, 6 USB and Audio, VGA/LVDS	294.38
Intel® Atom™			
960-NANO830VPGGAD255	NANO830VPGGA-D2550	Intel® Atom™ D2550+NM10 w/ Dual LANs, 2 COM Ports, 6 USB & Audio, VGA/LVDS/DisplayPort, Heatsink w/Fan, -20~+70°C	285.60
960-NANO831VGGAN2600	NANO831VGGA-N2600	Intel® Atom™ N2600+NM10 with Dual LANs, 2 COM Ports, 6 USB and Audio, VGA/LVDS, Fanless, 0~60°C	285.60

Pico-ITX Intel® Atom™

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Axiomtek Part No.	Description	Price Each
960-PICO830VGA-N2800	PICO830VGA-N2800	Intel® Atom™ N2800+NM10 with one LAN, 2 COM Ports, 4 USB, Audio, VGA/LVDS, Heat-Spreader, Heatsink, I/O Stacking Board AX93265 and Cables	412.00
960-PICO831VGA-N2600	PICO831VGA-N2600	Intel® Atom™ N2600+NM10 with one LAN, 2 COM Ports, 4 USB, Audio, VGA/LVDS, Heat-Spreader, Heatsink, I/O Stacking Board AX93265, AX93267 and Cables	389.00
960-PICO831VGA-N2800	PICO831VGA-N2800	Intel® Atom™ N2800+NM10 with one LAN, 2 COM Ports, 4 USB, Audio, VGA/LVDS, Heat-Spreader, Heatsink, I/O Stacking Board AX93265, AX93267 and Cables	410.00
960-PICO880-I7-4650U	PICO880PGA-I7-4650U	4th Gen Intel® Core™ i7-4650U 1.7 GHz Pico-ITX SBC with DP/LVDS, 10/100/1000Mbps, 1 USB 2.0	1201.00
960-PICO880-I5-4300U	PICO880PGA-I5-4300U	4th Gen Intel® Core™ i5-4300U 1.9 GHz Pico-ITX SBC with DP/LVDS, 10/100/1000Mbps, 1 USB 2.0	918.00
960-AX93275	AX93275	PICO880 I/O Board W/ VGA, Analog Audio, 4x USB 3.0	49.00
960-AX93276	AX93276	PICO880 I/O Board W/ HDMI, 2x COM, LAN 4x USB 3.0	56.00

INDUSTRIAL MOTHERBOARDS

Mini-ITX

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Axiomtek Part No.	Description	Price Each
AMD			
960-MANO120VGGA	MANO120VGGA	AMD G-series T56N 1.65 GHz with A55E FCH, VGA/HDMI/LVDS, 2xGbE, SATA 3.0, HD Audio with Cooler	329.91
960-5078C111200E	5078C111200E	Cooler for 1U system	36.66
Intel® Atom™			
960-MANO825VGGA-D525	MANO825VGGA-D525	Intel® Atom™ D525+ NM10 with Dual Gigabit LAN, 6 COM Ports, 7 USB, 2 SATA-300 Ports VGA/LVDS, and Gift Box	224.16
960-MANO831VDGGAD255	MANO831VDGGA-D2550	Intel® Atom™ Cedarview D2550 Mini-ITX with NM10 Chipset, VGA/DVI-D/LVDS, GbE, HD Audio with Cooler	321.89
Intel® rGPA988 Socket G2 Dual Core			
960-MANO870HDGGA	MANO870HDGGA	Intel® Ivy Bridge Mobile i7/i5/i3/Celeron Dual Core + QM77 PCH w/ Dual Gigabit LAN, VGA/LVDS/DVI-D/HDMI, & Gift Box w/o Cooler	390.76
960-MANO860PHGGA	MANO860PHGGA	Intel® Sandy Bridge Mobile i7/i5/i3/Celeron Dual Core + QM67 PCH with Dual Gigabit LAN, 4 COM Ports, 12 USB, 2 SATA-300/600 Ports VGA/LVDS/DP/HDMI and Gift Box w/o Cooler	369.11
960-5078M860000E	5078M860000E	Cooler for 1U (4200rpm)	40.00
LGA1155/1156 Core-I Series			
960-MANO861VGGA	MANO861VGGA	LGA1155+H61 with Dual Gigabit Ethernet, DVI/LVDS and Gift Box	283.99
960-MANO872VGGA	MANO872VGGA	LGA1155+Q77 with Dual Gigabit Ethernet, DVI-I/DP/LVDS and Gift Box	345.50
960-MANO873VGGA	MANO873VGGA	LGA1155+Q77, with Dual Gigabit Ethernet, DVI-D/VGA and PS/2 and Gift Box	334.94

ATX Intel® LGA1155 Socket Core

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Axiomtek Part No.	Description	Price Each
960-IMB204VGGA	IMB204VGGA	LGA1155 Socket Intel® Core™ i7/ i5/ i3/Celeron® ATX Industrial Motherboard with Intel® B75 PCH, SATA 3.0, Dual LANs,DVI-D/VGA and LPT	267.12
960-IMB207DGGA	IMB207DGGA	LGA1155 Socket Intel® Core™ i7/ i5/ i3/Celeron® ATX Industrial Motherboard with Intel® Q77 PCH, USB 3.0, DisplayPort/ DVI-I, Dual LANs and CFast™	373.00
960-IMB208DGGA	IMB208DGGA	LGA1155 Socket Intel® Core™ i7/ i5/ i3/ Celeron® ATX Industrial Motherboard with Intel® C216 PCH, USB 3.0, DisplayPort/ DVI-I (VGA), Dual LANs and CFast™	413.00

EMBEDDED COMPUTERS

eBox Embedded Systems

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Axiomtek Part No.	Description	Price Each
960-EBOX530-830N2600	EBOX530-830-N2600	Fanless Embedded System with Intel® Atom™ N2600 1.6 GHZ Processor, ATX, 1 LAN, VGA, AC-DC Adapter, CFast™ & HDD Support, Power Cord	537.01
960-EBOX532-1001GVGA	EBOX532-100-1G/VGA	Fanless Embedded System within AMD (PICO100VGA-T40F) Single Core 1.0 GHz, VGA Output, ATX Mode, US Power Cord	442.00
960-EBOX620-110-T56N	EBOX620-110-T56N	Fanless Embedded System with Dual Core AMD T56N (1.65 GHz), 2 GbE LAN, VGA+DP, 2 COM, 4 USB, AC-DC 60W Adapter, CFast™ & HDD Support	576.00
960-EBOX623831D2550	EBOX623-831-D2550-DC	Fanlesss Embedded System with Dual Core Atom™ D2550 (1.86 GHz), 2 GbE LAN, 4 COM, 6 USB, AC-in Adapter, CFast™ & HDD Support	663.00
960-EBOX630-100-FL	EBOX630-100-FL	EP100 with Dual Core AMD T56N (1.65 GHz), 2 GbE LAN, 2 VGA+DP, 4 COM, 6 USB, AC-DC 60W Adapter, CFast™ & HDD Support	692.00
960-EBOX640-860AC	EBOX640-860/AC	Fanless Embedded System with Socket G2 (2nd Gen Intel Core i7/i5/i3 or Celeron processor), 90W AC input, 2 GbE LAN, VGA+DP+HDMI, 4 COM, 6 USB, 2 HDD	970.00
960-EBOX660-872-I7	EBOX660-872-I7-2.3G	Fanless embedded system with socket G2 Intel® Core™ i7-3610QE processor, VGA, DisplayPort, 4 GbE LAN, 4 USB 3.0, 4 COM ports and 10~30VDC	1805.66
960-EBOX660-872-I5	EBOX660-872-I5-2.7G	Fanless embedded system with socket G2 Intel® Core™ i5-3610ME processor, VGA, DisplayPort, 4 GbE LAN, 4 USB 3.0, 4 COM ports and 10~30VDC	1568.44

IPC Industrial Barebone Systems

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Axiomtek Part No.	Description	Price Each
960-IPC912-213100AC	IPC912-213/100AC	Intel® Core i3/i5/i7 (under 35W) Fanless System with HM65, 2 PCIe Expansion Slots, ATX DC-IN 150W P/S and AC-DC 150W Power Adapter and US Power Cord	854.22
960-IPC912-213100DC	IPC912-213/100DC	Intel® Core i3/i5/i7 (under 35W) Fanless System with HM65, 2 PCIe Expansion Slots, ATX DC-IN 150W P/S	777.50
960-IPC912-213103AC	IPC912-213/103AC	Intel® Core i3/i5/i7 (under 35W) Fanless System with HM65, 1 PCIe & 1 PCI Expansion Slots, ATX DC-IN 150W P/S and AC-DC 150W Power Adapter and US Power Cord	880.44
960-IPC912-213103DC	IPC912-213/103DC	Intel® Core i3/i5/i7 (under 35W) Fanless System with HM65, 1 PCIe & 1 PCI Expansion Slots, ATX DC-IN 150W P/S	805.92
960-IPC914-213104AC	IPC914-213/104AC	Intel® Core i3/i5/i7 (up to 35W) Fanless System with HM65,4 PCI Expansion Slots, ATX DC-IN 150W P/S and AC-DC 150W Power Adapter and US Power Cord	872.79
960-IPC914-213105DC	IPC914-213/105DC	Intel® Core i3/i5/i7 (up to 35W) Fanless System with 2 PCI + 1 PCIex1 + 1 PCIex16 Expansion Slots and ATX DC-IN 150W P/S	791.54
960-IPC922-212103AC	IPC922-212/103AC	Intel® Atom™ D525 Fanless System with 1 PCIe & 1 PCI Expansion Slots, ATX DC-IN 120W P/S and AC-DC 90W Power Adapter and US Power Cord	711.21

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Computer-On-Modules

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CONGA-CA COM EXPRESS COMPACT MODULES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Congatec Part No.	Description	Price Each 1	10
787-33321	conga-CA/Z530-1G PCIe	Intel® Atom™ Z53we0 processor	439.00	435.00
787-41001	conga-BAF/T56N	AMD Dual Core Processor T56N	355.15	351.56
787-41005	conga-BAF/T44	AMD Single Core Processor T44R	309.40	305.86
787-41003	conga-BAF/T40N	AMD Dual Core Processor T40N	321.67	317.90
787-65800	conga-TEVAL	Routes COM Express signals to std interfacet connectors	476.52	-
787-047854	conga-Cdebug	Debug platform for application specific baseboard	348.75	-
787-41020	conga-BAF/HSP-B	Standard heatspreader	32.03	31.21
787-41027	conga-BAF/CSA-B	Active cooling heatsink	56.58	55.76

XTX EMBEDDED CPU MODULE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Congatec Part No.	Description	Price Each 1	10
787-68712	DDR2-SODIMM-667 (2048MB)	2GB DDR2 SODIMM memory module	81.70	80.80

QSEVEN SERIES SINGLE BOARD COMPUTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Congatec Part No.	Description	Price Each 1	10
Intel® Atom™				
787-15033	conga-QA6/E680-1G	Intel® Atom™ E680 processor	328.38	324.72
787-15030	conga-QA6/E660-1G	Intel® Atom™ E660 processor	283.96	280.29
787-15031	conga-QA6/E640-1G	Intel® Atom™ E640 processor	230.81	228.03
787-15032	conga-QA6/E620-1G	Intel® Atom™ E620 processor	207.56	203.59
787-015100	conga-QA3/E3845-2G eMMC4	Intel® Atom™ E3845 1.91GHz 2G	250.67	241.03
787-015101	conga-QA3/E3827-2G eMMC4	Intel® Atom™ E3827 1.75GHz 2G	234.67	225.64
787-015102	conga-QA3/E3826-2G eMMC4	Intel® Atom™ E3826 1.46GHz 2G	225.33	216.67
787-015104	conga-QA3/E3815-2G eMMC4	Intel® Atom™ E3815 1.46GHz 2G	204.00	196.15
787-20730	conga-MCB/Qseven	Mini Carrier Board for QSeven	223.75	-
Intel® Celeron™				
787-015111	conga-QA3/J1900-2G	Intel® Celeron™ J1900 2GHz 2G	241.33	232.05
Freescale® ARM				
787-016100	conga-QMX6/SC-1G eMMC4	Qseven Freescale® i.MX6 Solo ARM Cortex A9 1GHz 1GB	120.00	115.38
787-016101	conga-QMX6/DCL-1G eMMC4	Qseven Freescale® i.MX6 Dual Lite ARM Cortex A9 1GHz 1GB	145.33	139.74
787-016102	conga-QMX6/DC-1G eMMC4	Qseven Freescale® i.MX6 Dual ARM Cortex A9 1GHz 1GB	155.63	149.63
787-016103	conga-QMX6/QC-1G eMMC4	Qseven Freescale® i.MX6 Quad ARM Cortex A9 1GHz 1GB	166.67	160.26
787-016104	conga-QMX6/QC-2G eMMC4	Qseven Freescale® i.MX6 Quad ARM Cortex A9 1GHz 2GB	200.00	192.31
787-016110	conga-QMX6/iSC-1G eMMC2	Qseven Freescale® i.MX6 Solo ARM Cortex A9 800MHz 1GB	167.95	161.53
787-016111	conga-QMX6/iDCL-1G eMMC2	Qseven Freescale® i.MX6 Dual Lite ARM Cortex A9 800MHz 1GB	182.66	175.64
787-016112	conga-QMX6/iDC-1G eMMC2	Qseven Freescale® i.MX6 Dual ARM Cortex A9 800MHz 1GB	192.00	184.62
787-016113	conga-QMX6/iQC-1G eMMC2	Qseven Freescale® i.MX6 Quad ARM Cortex A9 800MHz 1GB	200.00	192.31
Accessories				
787-15062	conga-QA6-CSP-B	Heat sinks passive cooling solution	32.58	31.62
787-15060	conga-QA6-HSP-B	Heatspreader for conga-QA6 2.7mm	29.00	28.00
787-015190	conga-QA3/HSP-B	Heatspreader for conga-QA3 2.7mm	18.15	16.75
787-077455	conga-QKIT	Intel® Atom™ Qseven Starter Kit	871.25	-
787-077500	conga-QKIT/ARM	Qseven ARM Reference Starter Kit	873.75	-

MITYDSP

The MityDSP platform is a high-performance, customizable system on module (SoM) featuring DSP, ARM, and/or FPGA.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Critical Link Part No.	DSP Processor Series	DSP Clock Speed (MHz)	Flash (MB)	RAM (MB)	FPGA Processor Series	Operating Temperature (°C)	Price Each
914-6455-JE-3X5-RC	6455-JE-3X5-RC	TMS320C6455	1200	16	128	Xilinx XC3S4000	0 to 70	1471.83
914-L138-DG-225-RI	L138-DG-225-RI	C674x VLIW	456	256	128	Xilinx XC6SLX16	-40 to 85	361.44
914-L138-DI-225-RI	L138-DI-225-RI	C674x VLIW	456	256	128	Xilinx XC6SLX45	-40 to 85	418.20
914-L138-FG-225-RC	L138-FG-225-RC	C674x VLIW	456	256	128	Xilinx XC6SLX16	-40 to 85	338.78
914-L138-FI-236-RL	L138-FI-236-RL	C674x VLIW	456	256	128	Xilinx XC6SLX45	-40 to 85	440.86

MITYDSP ARM CORE

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Critical Link Part No.	DSP Processor Series	DSP Clock Speed (MHz)	Flash (MB)	RAM (MB)	ARM Processor Series	Operating Temperature (°C)	Price Each
914-L138-FX-225-RC	L138-FX-225-RC	OMAP-L138	456	256	128	ARM926EJ-S	0 to 70	225.53

MITYARM

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Critical Link Part No.	ARM Processor Series	ARM Clock Speed (MHz)	Flash (MB)	RAM (MB)	FPGA Processor Series	Operating Temperature (°C)	Price Each
914-3352-GX-X27-RC	3352-GX-X27-RC	AM3352	720	256	256	-	0 to 70	135.00
914-1810-DX-225-RC	1810-DX-225-RC	AM1810	375	258	128	Xilinx XC6SLX16	0 to 70	214.14
914-1808-FG-225-RC	1808-FG-225-RC	AM1808	456	258	128	Xilinx XC6SLX16	0 to 70	316.12
914-1808-FX-225-RC	1808-FX-225-RC	AM1808	456	258	128	Xilinx XC6SLX16	0 to 70	202.86

DEVELOPMENT KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Critical Link Part No.	Description	Price Each
914-80-000315	80-000315	Development Kit, MityARM-1808F (1808-FG-225-RC)	749.00
914-80-000317	80-000317	Development Kit, MityARM-1808 (1808-FX-225-RC)	749.00
914-80-000334	80-000334	Development Kit, MityDSP (L138-FX-225-RC)	749.00
914-80-000346	80-000346	Development Kit, MityDSP-XMF (6711-AA-1X1-RC)	1494.00
914-80-000347	80-000347	Development Kit, MityDSP-Pro (6455-JE-3X5-RC)	2494.00
914-80-000382	80-000382	Development Kit, MityDSP-L138F (L138-FI-236-RL)	799.00
914-80-000395	80-000395	Development Kit, MityDSP (L138FG-225-RC)	749.00
914-80-000413	80-000413	Development Kit, MityDSP-L138F (L138-DG-255-RI)	749.00
914-80-000454	80-000454	Development Kit, MityDSP-L138F (L138-DI-255-RI)	799.00
914-80-000512	80-000512	Development Kit, MityARM-3359 (3359-GX-226-RC)	495.00
914-80-000587	80-000587	Development Kit, MityARM-3354 (3354-GX-X38-RC)	495.00

M MOUSER ELECTRONICS (800) 346-6873

iBASE Technology Single Board Computers

iBASE

EFLEX PLATFORM

Features:
- Supports dvi-i and lvds
- 2X mini pci-e, 1x msata, 1x express card slot
- 1X intel® 82583v pci-e gigabit lan
- Watchdog timer, digital i/o , isamrt
- 3X usb, 2x com, 1x sata ii

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	iBASE Technology Part No.	Dimensions W x D x H (mm)	System Mainboard	CPU Type	Frequency (GHz)	Power (W)	Memory	Operating Temp. (°C)	Price Each 1	5
103-AFB100-D25	AFB100-D25	275 x 214 x 37	FB00-D25	Intel Atom D2550	1.86	60	1xDDR3 SO-DIMM, 4GB	0 to +45	580.26	572.72

3.5" SINGLE BOARD COMPUTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	iBASE Technology Part No.	Dim. W x H (mm)	System Chipset	CPU Type	Freq. (GHz)	Description	Memory	Operating Temp. (°C)	Price Each 1	10
103-EMB-IB891	EMB-IB891	147 x 102	Intel 82801HM	Intel Atom N450	1.66	3.5" SBC w/CPU Cooler, VGA, Dual PCI-E GB LAN	1xDDR2 SO-DIMM, 2GB	0 to +60	288.00	284.21
103-EMB-IB891-D5	EMB-IB891-D5	147 x 102	Intel 82801HM	Intel Atom D510	1.66	3.5" SBC w/VGA, Dual PCI-E GB LAN	1xDDR2 SO-DIMM, 2GB	0 to +60	288.00	284.21
103-EMB-IB892-10T	EMB-IB892-10T	147 x 102	Intel EG20T	Intel Atom E640T	1.0	3.5" SBC w/CRT, PCI-E GB LAN, Wide Temp.	1xDDR2 -800, 1GB	-40 to +75	355.26	350.64
103-EMB-IB892-13T	EMB-IB892-13T	147 x 102	Intel EG20T	Intel Atom E660T	1.3	3.5" SBC w/CRT, PCI-E GB LAN, Wide Temp.	1xDDR2 -800, 1GB	-40 to +75	393.42	388.31
103-EMB-IB893	EMB-IB893	147 x 102	Intel 82801HBM	Intel Atom D525	1.8	3.5" SBC w/VGA, LVDS (24-bit), Dual PCI-E GB LAN	1xDDR3 SO-DIMM, 4GB	0 to +60	305.33	301.31
103-EMB-IB895	EMB-IB895	147 x 102	Intel CG82NM10	Intel Atom D2700	2.13	3.5" SBC w/VGA, DVI, LVD (24-bit Dual) Dual PCI-E GB LAN, mSATA, iSMART	1xDDR3 SO-DIMM, 4GB	0 to +60	288.00	284.21
103-EMB-IB897-I27	EMB-IB897-I27	147 x 102	Intel AtomTM SoC	Intel Atom E3827	1.75	3.5" SBC w/Dual PCI-E GbE LAN, CRT, DisplayPort, LVDS (24-bit LVDS Dual), mSATA, iSMART, Wide Temp.	2xDDR3L-1333 SO-DIMM, 8GB	-40 to +85	321.33	317.10
103-EMB-IB905F	EMB-IB905F	147 x 102	Intel QM67 PCH	rPGA988B Intel Core i7/i5/i3 Celeron	2.6	3.5" SBC w/DVI-I(CRT+DVI) 24-bit LVDS, Dual GbE LAN	1xDDR3 SO-DIMM, 8GB	0 to +60	331.57	327.27
103-EMB-IB906F-1G	EMB-IB906F-1G	147 x 102	Intel HM65 PCH	Intel Celeron 807UE Processors	1.0	3.5" SBC w/DVI-I(CRT+DVI) 24-bit LVDS & Dual GbE LAN, iSMART, 12V~24V DC-in	1xDDR3 SO-DIMM, 8GB	0 to +60	347.60	343.09
103-IB908AF-4300	IB908AF-4300	147 x 102	U-Series	Intel Core i5-4300U	1.9	3.5" SBC w/Dual PCI-E GbE LAN, DVI, LVDS 24-bit LVDS Dual ch, mSATA, iSMART, iAMT	1xDDR3L-1600, 16GB	0 to +60	793.42	783.11
103-IB908AF-4650	IB908AF-4650	147 x 102	U-Series	Intel Core i7-4650U	1.7	3.5" SBC w/Dual PCI-E GbE LAN, DVI-I, LVDS 24-bit LVDS Dual ch, mSATA, iSMART	1xDDR3L-1600, 16GB	0 to +60	1076.31	1022.50
103-IB908F-4010	IB908F-4010	147 x 102	U-Series	Intel Core i3-4010U	1.7	3.5" SBC w/Dual PCI-E GbE LAN, DVI-I, LVDS 24-bit LVDS Dual ch, mSATA, iSMART	1xDDR3L-1600, 16GB	0 to +60	755.26	745.45

CABLE KITS FOR 3.5" SINGLE BOARD COMPUTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	iBASE Technology Part No.	Description	Price Each 1	10
103-EMBX-IB60	EMBX-IB60	Cable kit for IB891 series, with USB, COM, SATA and power cable	21.53	20.58
103-EMBX-IB63	EMBX-IB63	Cable kit for IB905F, with SATA + power cable, COM, USB, audio, power cable	24.61	23.52
103-EMBX-IB65	EMBX-IB65	Cable kit IB892 series , with SATA + power cable, COM, USB, audio, power cable	24.61	23.52
103-EMBX-IB68	EMBX-IB68	Cable kit for IB903F series, with SATA + power cable, COM, USB , power cable	14.28	13.84
103-EMBX-IB76	EMBX-IB76	Cable Kit for IB897 series	21.53	20.58

HEAT SINKS FOR 3.5" SINGLE BOARD COMPUTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	iBASE Technology Part No.	Description	Price Each 1	10
103-EMBX-IB891D5-HS	EMBX-IB891D5-HS	Heatsink for IB891-D5 Only	35.38	33.82
103-EMBX-IB891-HS	EMBX-IB891-HS	Heatsink for IB891	35.38	33.82
103-EMBX-IB892-HS	EMBX-IB892-HS	Heatsink for IB892	35.38	33.82
103-EMBX-IB893-HS	EMBX-IB893-HS	Heatsink for IB893	46.15	44.11
103-EMBX-IB895-HS	EMBX-IB895-HS	Heatsink for IB895	41.53	39.70
103-EMBX-IB897-HS	EMBX-IB897-HS	Heatsink for IB897 BGA	46.15	44.11
103-EMBX-IB905-HS	EMBX-IB905-HS	Heatsink for IB905F	50.76	48.52
103-EMBX-IB908-HS-1	EMBX-IB908-HS-1	Heatsink for IB908F	44.61	42.64

OPS DIGITAL SIGNAGE PLAYERS

Features:
- 2x DDR3 1333MHz SO-DIMM, Max. 16GB
- 2x USB 3.0 ports
- Supported I/O: Display port, USB 3.0, LAN port
- 1x Mini PCI-E(x1) slots for Wi-Fi/ Bluetooth/ TV /
- Intel® HD Graphics Engine Tuner/ 3G Wireless options
- iAMT Compliance for remote management

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	iBASE Technology Part No.	Dim. W x H (mm)	System Chipset	CPU Type	Freq. (GHz)	Description	Memory	Operating Temp. (°C)	Price Each 1	10
103-IOPS-76-3610	IOPS-76-3610	200 x 119 x 30	Intel QM77 PCH	Intel Core i5-3610ME Mobile	3.3	OPS Player with Intel Core i5-3610ME Mobile processor (3M Cache, up to 3.3 GHz) 8GB RAM, 64GB mSATA	2xDDR3 1600MHz SO-DIMM, 16GB	0 to +40	1228.94	1167.50
103-IOPS-76L	IOPS-76L	200 x 119 x 30	Intel QM77 PCH	Intel Celeron 827E	1.4	OPS Player with Intel Celeron 827E processor (1.5M Cache, 1.4 GHz), 8GB RAM, 64GB mSATA	2xDDR3 1600MHz SO-DIMM, 16GB	0 to +40	827.63	816.88
103-IOPS-EK1	IOPS-EK1	200 x 119 x 30	Intel QM77 PCH	Intel Core i5-3610ME Mobile	3.3	iOPS-76 Series Expansion Dock with 150 W Adapter for use without OPS display	2xDDR3 1600MHz SO-DIMM, 16GB	0 to +40	173.97	171.62

NETWORK MOTHERBOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	iBASE Technology Part No.	Dim. W x H (mm)	System Chipset	CPU Type	Freq. (GHz)	Description	Memory	Operating Temp. (°C)	Price Each 1	10
103-MB966	MB966	355.6 x 206	Intel 3450 PCH	Intel Xeon / Core i7/i5/i3 Pentium	3.06	LGA1156 3450 Networking Motherboard with 6 GbE LAN, LAN 1/2 and 3/4 bypass, 3x SATA II	4xDDR3 DIMM, 16GB	0 to +60	473.21	467.06
103-MB967	MB967	355 x 185	Intel C216 PCH	LGA1155 Intel Core i7/i5/i3 Xeon	-	1x Intel GbE 82579LM + 7x Intel GbE 82583V, LAN 5/6 and 7/8 Bypass, SATA Connector, Mini PCI-E, CF and PCI-E Expansion	4xDDR3 DIMM, 32GB	0 to +60	473.68	467.53

iBASE Technology Single Board Computers

iBASE

ATX MOTHERBOARDS

MOUSER STOCK NO.	iBASE Technology Part No.	Dim. W x H (mm)	System Chipset	CPU Type	Freq. (GHz)	Description	Memory	Operating Temp. (°C)	Price Each 1	Price Each 5
103-MB970F	MB970F	338 x 122	Intel Q77 PCH	LGA1155 Intel Core i7/ i5/i3 Pentium	3.4	ATX Motherboard w/ DVI-I, DVI-D, DisplayPort, dual Gigabit LAN, RAID, EuP/ErP compliant, iSMART	4xDDR3 DIMM, 32GB	0 to +60	357.89	353.24
103-MB970VF	MB970VF	338 x 122	Intel B75 PCH	LGA1155 Intel Core i7/ i5/i3 Pentium	3.4	ATX Motherboard w/ DVI-I, DVI-D, DisplayPort, dual Gigabit LAN, RAID, iAMT (8.0), TPM(1.2), vPro, iSMART	4xDDR3 DIMM, 32GB	0 to +60	381.57	376.62
103-MB980VF	MB980VF	305 x 244	Intel Q87 PCH	LGA1150 Intel Core i7/ i5/i3 Pentium Celeron	3.4	ATX Motherboard w/ DVI-I, DVI-D, DisplayPort, dual Gigabit LAN, RAID, EuP/ErP compliant, iAMT (9.0), vPro, iSMART	4xDDR3 DIMM, 32GB	0 to +60	357.89	353.24

MINI-ITX MOTHERBOARDS

| MOUSER STOCK NO.	iBASE Technology Part No.	Dim. W x H (mm)	System Chipset	CPU Type	Freq. (GHz)	Description	Memory	Operating Temp. (°C)	Price Each 1	Price Each 10
103-MI802	MI802	170 x 170	Intel CG82NM10 PCH	Intel Atom D2550	1.86	Mini-ITX Motherboard w/ DVI-D, VGA & LVDS, 2x PCI-E Gigabit LAN, EuP/ErP compliant, iSMART, with heatsink	2xDDR3-1066 SO-DIMM 4GB	0 to +60	285.33	281.57
103-MI802N	MI802N	170 x 170	Intel CG82NM10 PCH	Intel Atom N2600	1.6	Mini-ITX Motherboard w/ DVI-D, VGA & LVDS, 2x PCI-E Gigabit LAN ,EuP/ErP compliant, iSMART, with heatsink	1xDDR3-1066 SO-DIMM 2GB	0 to +60	294.66	290.78
103-MI810F	MI810F	170 x 170	Intel 945GSE +ICH7M	Intel Atom N270	1.6	Mini-ITX Motherboard w/VGA, 10/100 and PCI-E Gigabit LAN	2xDDR2 DIMM, 2GB	0 to +60	290.66	286.84
103-MI812F	MI812F	170 x 170	Intel 945GSE +ICH7M	Intel Atom N270	1.6	Mini-ITX Motherboard w/VGA, 10/100 and PCI-E Gigabit LAN	2xDDR2 DIMM, 2GB	0 to +60	290.66	286.84
103-MI888	MI888	170 x 170	Intel 82801HM +ICH8M	Intel Atom N450	1.66	Mini-ITX Motherboard with VGA, 1x PCI-E GbE LAN, with heatsink	1xDDR2 SO-DIMM, 2GB	0 to +60	288.00	284.21
103-MI888-D5	MI888-D5	170 x 170	Intel 82801HBM	Intel Atom D510	1.66	Mini-ITX Motherboard with VGA, 1x PCI-E GbE LAN, with heatsink, fan	1xDDR2 SO-DIMM, 2GB	0 to +60	273.33	269.73
103-MI889	MI889	170 x 170	Intel 82801HBM	Intel Atom N450	1.66	Mini-ITX Motherboard with VGA, 2x PCI-E GbE LAN, with heatsink	1xDDR2 SO-DIMM, 2GB	0 to +60	288.00	284.21
103-MI889-D5	MI889-D5	170 x 170	Intel 82801HBM	Intel Atom D510	1.66	Mini-ITX Motherboard with VGA, 2x PCI-E GbE LAN, with heatsink	1xDDR2 SO-DIMM, 2GB	0 to +60	313.33	309.21
103-MI890-D5	MI890-D5	170 x 170	Intel 82801HBM	Intel Atom D525	1.8	Mini-ITX Motherboard with VGA, 2x PCI-E gigabit LAN	2xDDR3-800 SO-DIMM, 4GB	0 to +60	305.33	301.31
103-MI890-N4	MI890-N4	170 x 170	Intel 82801HM +ICH8M	Intel Atom D525	1.8	Mini-ITX Motherboard with VGA, 2x PCI-E gigabit LAN	2xDDR3-800 SO-DIMM, 2GB	0 to +60	321.33	317.10
103-MI953AF	MI953AF	170 x 170	Intel QM57 /HM55 PCH	Intel Core i3/i5/i7 Celeron	2.4	Mini-ITX motherboard w/ VGA, Dual DVI & dual Gigabit LAN, AMT (6.0), RAID	2xDDR3 SO-DIMM, 8GB	0 to +60	377.63	372.72
103-MI953F	MI953F	170 x 170	Intel QM57 /HM55 PCH	Intel Core i7/i5/i3/ Celeron	2.4	Mini-ITX Motherboard w/ VGA, dual DVI, Dual Gigabit LAN, RAID, EuP/ErP compliant	2xDDR3 SO-DIMM, 8GB	0 to +60	347.36	342.85
103-MI956AF	MI956AF	170 x 170	Intel QM67 PCH	Intel Core i7/i5/i3/ Celeron	2.7	Mini-ITX motherboard w/ DVI-I, DVI-D, HDMI, Dual Gigabit LAN, iAMT (7.0), RAID	2xDDR3 SO-DIMM, 16GB	0 to +60	385.52	380.51
103-MI970VF	MI970VF	170 x 170	Intel QM77	Intel Core i7/i5/i3/ Celeron	2.4	Mini-ITX Motherboard w/ DVI-I, DVI-D, DisplayPort, Dual Gigabit LAN, iAMT(8.0) ,TPM 1.2, vPro, iSMART	2xDDR3 SO-DIMM, 16GB	0 to +60	342.10	337.66
103-MI980F-4100E	MI980F-4100E	170 x 170	Intel HM86	Intel Mobile Core i7/i5/i3/ Celeron	2.4	Mini-ITX Motherboard w/DVI-I, DVI-D, DisplayPort, LVDS, Dual Gigabit LAN, EuP/ErP compliant, iSMART, CPU Cooler Onboard	2xDDR3/DDR3L SO-DIMM, 16GB	0 to +60	761.84	751.94
103-MI980VF-4400E	MI980VF-4400E	170 X 170	Intel QM87 PCH	Intel Mobile Core i7/i5/i3/ Celeron	2.7	Mini-ITX Motherboard w/ DVI-I, DVI-D, DisplayPort, LVDS, Dual Gigabit LAN, iAMT 9.0, RAID, TPM 1.2, vPro, iSMART, CPU Cooler Onboard	2xDDR3/DDR3L SO-DIMM, 16GB	0 to +60	839.47	828.57
103-MI980VF-4700EQ	MI980VF-4700EQ	170 X 170	Intel QM87 PCH	Intel Mobile Core i7/i5/i3/ Celeron	2.4	Mini-ITX Motherboard w/DVI-I, DVI-D, DisplayPort, LVDS, Dual Gigabit LAN, iAMT 9.0, RAID, TPM 1.2, vPro, iSMART, CPU Cooler Onboard	2xDDR3/DDR3L SO-DIMM, 16GB	0 to +60	1000.00	974.35

PC/104 PLUS

MOUSER STOCK NO.	iBASE Technology Part No.	Dim. W x H (mm)	System Chipset	CPU Type	Freq. (GHz)	Description	Memory	Operating Temp. (°C)	Price Each 1	Price Each 10
103-PC104-IB805	PC104-IB805	96 x 90	Intel 945GSE +ICH7M	Intel Atom N270	1.6	Intel® Atom™ N270, 1.6GHz, PCI-104 CPU Module, w/ VGA and Gigabit LAN	1xDDR2 SO-DIMM, 2GB	0 to +60	270.66	267.10
Cable Kit						Description				
103-PC104X-IB55	PC104X-IB55					Cable Kit for IB805 series, w/ SATA, PS/2, Audio, VGA, USB, COM x2, RJ45			27.69	26.47
Heat Sink										
103-PC104X-IB805-HS	PC104X-IB805-HS					Heatsink for IB805			20.00	19.11

FULL SIZE CPU CARDS

MOUSER STOCK NO.	iBASE Technology Part No.	Dim. W x H (mm)	System Chipset	CPU Type	Freq. (GHz)	Description	Memory	Operating Temp. (°C)	Price Each 1	Price Each 5
103-SBC-IB960F	SBC-IB960F	338 x 122	Intel Q67 PCH	Intel Core i3/i5/i7/ Pentium/Celeron	3.4	LGA1155 PICMG®1.3 Q67 Full-Size CPU Card w/ VGA, DVI-D, 24-bit LVDS, dual Gigabit LAN	2xDDR3 DIMM, 16GB	0 to +60	334.21	329.87
103-SBC-IB965F	SBC-IB965F	338 x 126	Intel B75 PCH	Intel Core i3/i5/i7/ Pentium	3.4	LGA1155 B75 Full-Size CPU Card w/ VGA, DVI-D, 24-bit LVDS, dual Gigabit LAN, iSMART, TPM 1.2	2xDDR3 DIMM, 16GB	0 to +60	342.10	337.66
103-SBC-IB970	SBC-IB970	338 x 122	Intel B75 PCH	Intel Core i3/i5/i7/ Pentium	3.9	LGA1155 B75 Full-Size CPU Card w/ VGA, DVI-D, dual Gigabit LAN, iSMART	2xDDR3 DIMM, 16GB	0 to +60	350.00	345.45
103-SBC-IB970F	SBC-IB970F	338 x 122	Intel B75 PCH	Intel Core i3/i5/i7/ Pentium	3.9	LGA1155 B75 Full-Size CPU Card w/ VGA, DVI-D, 24-bit LVDS, dual Gigabit LAN, iSMART, TPM 1.2	2xDDR3 DIMM, 16GB	0 to +60	372.36	367.53
103-SBC-IB970RF	SBC-IB970RF	338 x 122	Intel Q77 PCH	Intel Core i3/i5/i7/ Pentium	3.9	LGA1155 Q77 Full-Size CPU Card w/ VGA, DVI-D, 24-bit LVDS, dual Gigabit LAN, iSMART, TPM 1.2, RAID	2xDDR3 DIMM, 16GB	0 to +60	396.05	390.90

STANDBY CABLE

MOUSER STOCK NO.	iBASE Technology Part No.	Description	Price Each 1	Price Each 10
103-CBLSBC-PW75	CBLSBC-PW75	24" 5V Standby Cable for Single Board Computers	4.00	3.57

KA-RO ELECTRONICS Computer-On-Modules

RoHS Compliant **This page of product is RoHS compliant.**

The TX embedded module integrates all the core components of a common PC and is mounted onto an application specific carrier board. TX modules have a standardized form factor of 67,6mm x 26mm, have specified pinouts and provide the functional requirements for an embedded application. These functions include, but are not limited to, graphics, network and multiple USB ports. A single ruggedized SO-DIMM connector provides the carrier board interface to carry all the I/O signals to and from the TX module. This SO-DIMM connector is a well known and proven high speed signal interface connector that is commonly used for memory cards in notebooks.

A	B	C	D	E	F
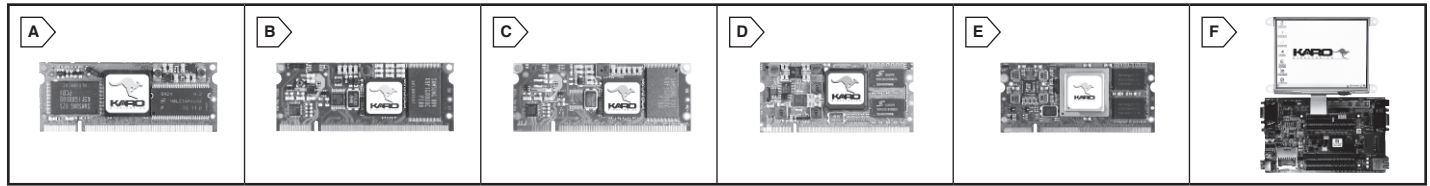
TX25 MODULE

Features:
- 10/100Mbps Ethernet
- Still-picture camera interface
- High-Speed USB 2.0 OTG
- Full-Speed USB 2.0 Host

- Several peripheral interfaces: UART, SD-CARD, I2C, CAN, Keypad, Digital Audio (AC97/I2S), Configurable serial peripheral interface,
- LCD controller

Support:
- Windows Embedded CE
- Linux 2.6
- RedBoot Bootloader

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ka-Ro Part No.	Fig.	Description	Price Each 1	Price Each 10
951-TX25-4021	TX25-4021	A	i.MX257 ARM926EJ-S Core, 400MHz, 64MB, SDRAM, 16bit, 128MB Flash, -40 to 85°C	84.52	80.09

TX28 MODULES

Features:
- Two 10/100Mbps Ethernet ports
- Two High-Speed USB 2.0 ports
- True color LCD controller
- 4/5 wire Touchscreen interface

- Several peripheral interfaces: UART, SD-CARD, I2C, PWM, Serial Audio, SPI
- Power management optimized for long battery life 3.3V I/O

Support:
- Windows Embedded CE
- Windows Embedded Compact 7 (TX28S Only)
- Linux

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ka-Ro Part No.	Fig.	Description	Price Each 1	Price Each 10
TX28					
951-TX28-4031	TX28-4031	B	i.MX287 ARM926EJ-S Core, 454MHz, 128MB, DDR2, 16bit, 128MB Flash, RTC, -40 to 85°C	91.38	87.20
TX28S					
951-TX28-4130	TX28-4130	C	i.MX283 ARM926EJ-S Core, 454MHz, 64MB, DDR2, 16bit, 128MB Flash, RTC, 0 to 70°C	46.95	44.49

TX53 MODULES

Features:
- 10/100Mbps Ethernet IEEE1588 support (i.MX537 only)
- NEON SIMD media accelerator
- Two High Speed USB 2.0 portsUnified 256KB L2 cache
- LCD controller up to 1600 x 1200, 24bppVector Floating Point Unit
- Dual LVDS display port (option on request)
- Several interfaces: 3x UART, 2x SDIO, 2x SSI/AC97/I2S, I2C, CSPI, Keypad, Ext. Memory I/F

- OpenGL ES 2.0 and OpenVG 1.1 hardware accelerators
- Two CAN interfaces (i.MX537 only)
- Multi-format HD 1080p video decoder and 720p video encoder hardware engine
- 3.3V I/O
- Two Camera Interfaces

Support:
- Windows Embedded Compact 7 (TX28S Only)
- Linux

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ka-Ro Part No.	Fig.	Description	Price Each 1	Price Each 10
951-TX53-8030	TX53-8030	D	i.MX537 ARM® Cortex-A8 Core, 800MHz, 512MB, DDR3, 32bit, 128MB Flash, RTC, -40 to 85°C	147.47	140.60
951-TX53-8130	TX53-8130	D	i.MX537 ARM® Cortex-A8 Core, 800MHz, 512MB, DDR3, 32bit, 128MB Flash, RTC, -40 to 85°C	147.47	140.60

TX6 MODULES

Features:
- 10/100Mbps Ethernet IEEE1588 supportNEON MPE coprocessor
- Two High Speed USB 2.0 ports— SIMD Media Processing Architecture
- Full HD LCD controller— NEON register file with 32x64-bit general-purpose registers
- OpenGL ES 2.0 and OpenVG 1.1 hardware accelerators — NEON Integer execute pipeline (ALU, Shift, MAC)

- Multi-format HD 1080p video decoder and 720p video encoder hardware engine — NEON dual, single-precision floating point execute pipeline (FADD, FMUL)
- Two Camera Interfaces— NEON load/store and permute pipeline
- Unified 1MByte L2 cache Vector Floating Point Unit
- Two CAN interfaces
- Several interfaces: 3x UART, 2x SDIO, 2x SSI/AC97/I2S, I2C, CSPI, Keypad, Ext. Memory I/F
- 3.3V I/O

Support:
- Windows Embedded Compact 7
- Linux
- Android by kernel concepts

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ka-Ro Part No.	Fig.	Description	Price Each 1	Price Each 10
951-TX6Q-1010	TX6Q-1010	E	MCIMX6Q5 ARM® Quad Cortex-A9, 1000MHz, 1024MB, DDR3, 64bit, 128MB Flash, RTC, -20 to 70°C	163.11	155.12
951-TX6Q-1110	TX6Q-1110	E	MCIMX6Q5 ARM® Quad Cortex-A9, 1000MHz, 1024MB, DDR3, 64bit, 128MB Flash, RTC, -20 to 70°C	163.11	155.12
951-TX6U-8010	TX6U-8010	E	i.MX6U7 ARM® Dual Cortex-A9, 800MHz, 1024MB, DDR3, 64bit, 128MB Flash, RTC, -40 to 85°C	139.23	131.52

DISPLAYS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Ka-Ro Part No.	Fig.	Description	Price Each 1	Price Each 10
951-TX00-DV01	TX00-DV01	F	5.7 in. TFT 640 x 480, LCD VGA Resistive Touchscreen	319.55	-
951-TX00-DV04	TX00-DV04	F	5.7 in. TFT 640 x 480, LCD VGA Capacitive PolyTouch™ Screen	319.55	-

ACCESSORIES

For quantities greater than listed, call for quote.

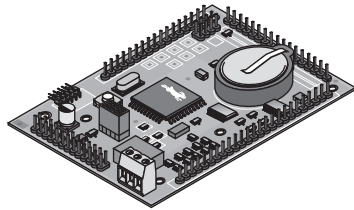| MOUSER STOCK NO.	Ka-Ro Part No.	Fig.	Description	Price Each 1	Price Each 10
951-TX00-ZV02	TX00-ZV02	-	Fastener Kit/10 Sets	32.85	31.14
951-TX00-ZV04	TX00-ZV04	-	Starter Kit V LVDS 5V/2A Display Adapter	185.75	-

RABBIT Single Board Computers

RABBIT Semiconductor

LP3500 FOX

The LP3500 Fox is a low-power single-board computer designed to operate reliably virtually any place it is deployed, especially where power is limited, such as in portable, hand-held, battery-powered, and remote monitoring systems. The LP3500 features built-in analog and digital I/O and consumes less than 20mA when fully operational and less than 100µA in power-save mode.

MOUSER STOCK NO.	Rabbit Part No.	Description	Price Each
812-20-101-0525	20-101-0525	512K/512K Analog inputs, Relay - RoHS	199.00
812-20-101-0526	20-101-0526	256K/128K	149.00
Programming/Development Tool			
694-20-151-0178	20-151-0178	RS-232-to-USB Converter Cable	39.00
Mounting/Display			
812-20-101-0466	101-0466	Keypad/Display Unit	99.00
694-20-101-0541	20-101-0541	Panel-Mount Keypad/Display Unit, 3.3V - RoHS	99.00
694-20-101-0502	20-101-0502	Panel-Mount Keypad/Display Unit, 5V - RoHS	99.00
812-540-0069	540-0069	Keypad/Display Unit Cable 5"	15.00
812-20-101-0431	101-0431	Unibox Enclosure	27.00
812-20-101-0495	20-101-0495	Baseplate	20.00

BL2100 SMARTCAT

✳ RoHS Compliant

MOUSER STOCK NO.	Rabbit Part No.	Description	Price Each
✳ 812-20-101-0461	20-101-0461	BL2100 Analog and Ethernet	339.00
812-20-101-0568	20-101-0568	BL2100 with 512K/512K	379.00
✳ 812-20-101-0462	20-101-0462	BL2110 Ethernet, no Analog	249.00
812-20-101-0463	20-101-0463	BL2120 Analog, no Ethernet	299.00
✳ 812-20-101-0569	20-101-0569	BL2120 Bottom Mount Sockets	339.00

Product Options & Accessories, Expansion Boards, Mounting/Display

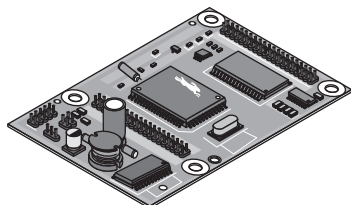| MOUSER STOCK NO.	Rabbit Part No.	Description	Price Each
✳ 694-20-101-0513	20-101-0513	2mm Programming Cable	25.00
812-20-101-0466	20-101-0466	Keypad/Display Unit w/Case	99.00
694-540-0066	540-0066	Keypad/Display Unit Cable 20'	15.00
✳ 812-20-101-0495	20-101-0495	Baseplate	20.00

BL2000 WILDCAT

✳ RoHS Compliant

MOUSER STOCK NO.	Rabbit Part No.	Description	Price Each
✳ 812-20-101-0430	20-101-0430	BL2000 Ethernet, Analog I/O	249.00
✳ 812-20-101-0455	20-101-0455	BL2010 Ethernet, Analog inputs only, 2 extra dual purpose	199.00
812-20-101-0591	20-101-0591	BL2010 Friction Lock Connectors	224.00
✳ 812-20-101-0456	20-101-0456	BL2020 No Ethernet, Analog I/O	209.00
✳ 812-20-101-0457	20-101-0457	BL2030 No Ethernet, Analog inputs only, 2 extra dual	159.00

Product Options & Accessories, Expansion Boards, Mounting/Display

MOUSER STOCK NO.	Rabbit Part No.	Description	Price Each
694-20-151-0178	20-151-0178	RS-232 to-USB Converter Cable	39.00
✳ 812-20-101-0431	20-101-0431	Unibox Enclosure	27.00
✳ 812-151-0075	151-0075	Light Pipes	5.00
812-20-101-0495	20-101-0495	Baseplate	20.00

BL4S100 & BL4S200 SINGLE BOARD COMPUTERS

The BL4S100 is a low-cost Rabbit® 4000 microprocessor based single-board computer series that delivers ZigBee and Ethernet capability. On-board ZigBee RF modules offer mesh networking functionality to make networking easy to deploy and simple to maintain. With both Ethernet and ZigBee connectivity integrated onto the BL4S100, the series delivers a low-cost platform to design a ZigBee enabled Ethernet network.

Rabbit's BL4S200 series of single-board computers deliver the features and wireless connectivity to support networking for industrial control applications. In addition to the Ethernet and Fast Ethernet versions, the BL4S200 offers a choice of Wi-Fi and ZigBee enabled wireless networking options. The BL4S200 provides reliable hardware that has been certified by the FCC and other international agencies.

BL4S100

BL4S100 KIT

BL4S200

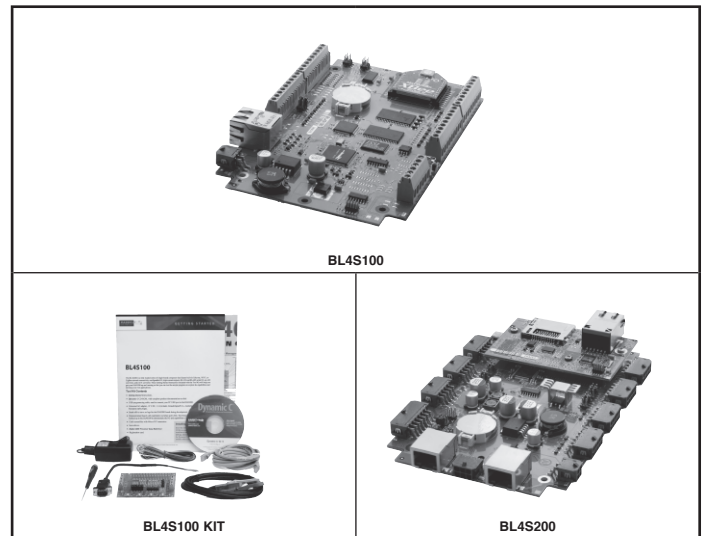| MOUSER STOCK NO.	Rabbit Part No.	Description	Price Each
BL4S100 Single-Board Computer - ZigBee Enabled Ethernet Gateway			
694-20-101-1256	20-101-1256	BL4S110 512K	129.00
694-20-101-1257	20-101-1257	BL4S150 1M with XBee	159.00
694-20-101-1258	20-101-1258	BL4S160 1M	139.00
BL4S200 Single-Board Computer - Wireless or Wired Connectivity for Industrial Control			
694-20-101-1220	20-101-1220	BL4S200 (RCM4310-based)	269.00
694-20-101-1259	20-101-1259	BL4S210 (RCM4010-based)	229.00
694-20-101-1260	20-101-1260	BL5S220 (RCM5400-based)	279.00
Development Tools			
694-101-1268	101-1268	BL4S100 Tool Kit	111.25
694-101-1270	101-1270	BL4S200 Tool Kit	111.25
Optional Add-On			
694-101-1279	101-1279	BL4S100 Plastic Enclosure	29.00

BL1800 JACKRABBIT

The Jackrabbit is RABBIT's most compact and lowest cost C-programmable single-board computer. The Jackrabbit is the perfect solution for applications that have significant cost and size constraints but need a dependable SBC. Fast number crunching is provided by a Rabbit 2000 microprocessor operating at up to 29.5MHz.

MOUSER STOCK NO.	Rabbit Part No.	Description	Price Each
812-20-101-0356	20-101-0356	BL1800	99.00
812-20-101-0357	20-101-0357	BL1810	69.00
812-20-101-0358	20-101-0358	BL1820	49.00
Programming/Development Tools			
694-20-101-0513	20-101-0513	2mm Programming Cable	25.00
694-20-151-0178	20-151-0178	RS-232-to-USB Converter Cable	39.00
694-151-0113	151-0113	Connector Adapter Board	27.00

RABBIT Single Board Computers and Software

RABBIT Semiconductor

BL2600 WOLF - MODELS BL2600, BL2610

The BL2600 Wolf single-board computer provides embedded systems engineers a complete and expandable performance package. Two standard models-one with 10/100 Ethernet and one without 10/100 Ethernet - feature the Rabbit 3000® microprocessor at 44.2 and 29.4 MHz respectively, with at least 512K Flash and 512K SRAM (standard).

Programming the BL2600
Programs are developed and debugged using industry-proven Dynamic C® software, which runs on a Windows PC. The programming device is connected via a serial cable, a USB cable, or Ethernet. Comprehensive debugging support includes break points, watch expressions and many other extensive features oriented toward real-time embedded systems programming. An extensive library of drivers and sample programs is provided, including a royalty-free TCP/IP stack for network and Internet communications. Full source code is provided for most library routines.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
BL2600 Wolf Board			
812	20-101-0889	BL2600 Board with 10/100Base-T Ethernet - RoHS	289.00
812	20-101-0891	BL2610 Board without 10/100Base-T Ethernet - RoHS	269.00
Product Accessories			
812	20-101-0879	RN1600 RabbitNet Keypad/Display Interface Card-RoHS	84.00
812	20-101-0688	RN1300 RabbitNet D/A Expansion Card	112.00
812	20-101-0616	RN1200 RabbitNet Digital I/O Expansion Card	112.00
812	20-101-0612	RN1100 RabbitNet Digital I/O Expansion Card	112.00
694	20-151-0178	RS-232-to-USB Converter Cable for USB only PCs	39.00
694	20-101-0542	1.27mm Connector for 10/100Base-T Option	25.00
812	20-101-0581	Connectivity Kit	18.00
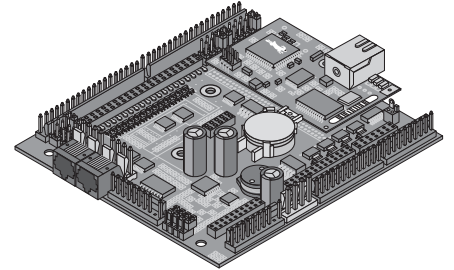
SR9000 SMART START SYSTEM

The Smart Start is a modular and expandable embedded control system designed for demanding real-time control and data acquisition applications. Multiple I/O card options-including digital, A/D, D/A, and relays-allow users to closely match their specific I/O needs. The Smart Star CPU card comes in both Ethernet and non-Ethernet versions, and a cost-effective keypad/display is also available.

Ethernet connectivity - CPU card with or without Ethernet
Flexible functionality - modular configuration to easily interchange or replace individual I/O cards
Multiple I/O card options - digital I/O, A/D, D/A, relay
Expandable - up to 168 I/O
Cost-effective - low cost per I/O
Optional keyboard/display - backlit 122 x 32 pixel graphic LCD with 7 user-relegendable keys, 7 LEDs

Smart Start Backplane

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
812	20-101-0512	SR9010 7-slot - RoHS	119.00
812	20-101-0487	SR9050 3-slot	109.00

Keyboard/Display Options

694	20-101-0465	Keypad/Display Unit, 5 Volt, No Case	79.00

Product Options and Accessories

812	540-0069	Keypad/Display Unit Cable 5"	15.00
812	151-0127	Connector Adapter Board	40.00

Smart Start CPU Card

812	20-101-0486	SR9150 Ethernet - RoHS	159.00
812	20-101-0738	SR9150 Ethernet, 512K SRAM - RoHS	219.00
812	20-101-0506	SR9160	119.00

Programming/Development Tool

694	20-151-0178	RS-232-to-USB Converter Cable	39.00
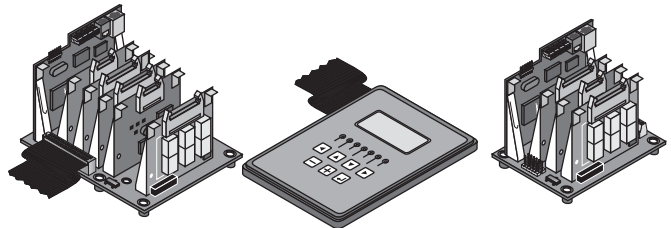
Smart Start Digital I/O Cards

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
812	20-101-0389	16 inputs and 8 outputs, sinking	69.00
812	20-101-0437	16 inputs and 8 outputs, sourcing - RoHS	99.00
812	20-101-0390	8 inputs and 16 outputs, sinking - RoHS	69.00

Smart Start A/D Cards

812	20-101-0392	Eleven 12-bit analog inputs (0-10V)	109.00
812	20-101-0444	Eleven 12-bit analog inputs (4-20mA) - RoHS	109.00

Smart Start D/A Cards

812	20-101-0393	Eight 12-bit analog outputs (0-10V)	184.00
812	20-101-0445	Eight 12-bit analog outputs (4-20mA) - RoHS	184.00

Smart Start Relay Cards

812	20-101-0395	6 relays: 1SPDT, 5 SPST, including snubbers	127.00
812	20-101-0440	8 SPDT relays, no on-board snubbers - RoHS	79.00

Smart Start Field Wiring Terminals

812	20-101-0515	Screw-type (A/D, D/A) - RoHS	39.00
812	20-101-0421	Pluggable (A/D, D/A)	84.00
812	20-101-0512	Screw-type (I/O, Relay 8)	119.00

BL2500 COYOTE

Gives OEM designers extremely low-cost embedded control for high-volume applications such as product control, factory equipment control, access control, HVAC, and vending machines. Two standard models—one with Ethernet, one without—feature the Rabbit 3000™ microprocessor at 29.4 MHz, with 256K Flash and 128K SRAM.

Product Only

※ RoHS Compliant   † Requires 1.27mm programming cable

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
※ 812	20-101-0575	BL2500 10Base-T Ethernet	189.00
812	20-101-0599	BL2500 with 512K/512K	209.00
※ 812	20-101-0602	BL2500 with 10/100, 512K/512K, 44.2clk †	239.00
※ 812	20-101-0576	BL2510 No Ethernet	149.00

Expansion Boards

※ RoHS Compliant

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
※ 812	20-101-0616	RabbitNet A/D Expansion Card	112.00
※ 812	20-101-0612	RabbitNet Digital I/O Expansion Card	112.00
※ 812	20-101-0879	RN1600 RabbitNet Keypad/Display Interface Card	84.00

Programming/Development Tools

※ RoHS Compliant

MOUSER STOCK NO.		Description	Price Each
Mfr.	Mfr. Part No.		
※ 694	20-151-0178	RS-232-to-USB Converter Cable	39.00
538	63811-1000	Crimp Tool	45.90
※ 694	20-101-0542	1.27 mm Programming Cable	25.00
※ 812	20-101-0581	Connectivity Kit	18.00