



Features

- 6th/7th Gen Intel® platform (formerly Skylake/Kaby Lake), Core™ U series processor
- Intelligent eKit with AI function to monitor system health via DDM
- Special Power Design:
  - Wide voltage 9~36V DC input
  - RVP/OVP/UVP/OCp support
  - Surge protection: 80V/1ms
  - Power ignition control
- Easy Expansion & Installation:
  - Remote on/off power switch with LED
  - Easily replaceable RTC battery holder
  - 2x SIM push-push slots



I/O Comparison Chart

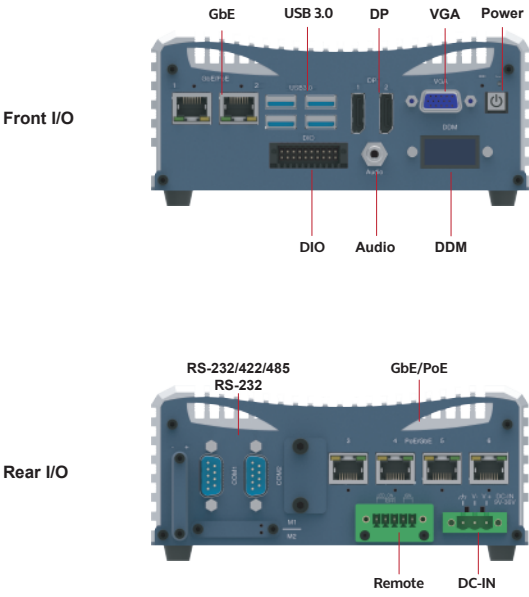
Model Name	DP	VGA	GbE (RJ45)	GbE / PoE (RJ45)	DIO	USB 3.0	RS-232	RS-232 / 422 / 485	Internal 2.5" Disk Bay
AIMG6-6RP4i	2	1	2	4	8-bit isolated DI & 8-bit isolated DO	4	2	2	1
AIMG6-6RP4	2	1	2	4	16-bit DIO	4	2	2	1
AIMG6-6Ri	2	1	6	0	8-bit isolated DI & 8-bit isolated DO	4	2	2	1
AIMG6-6R	2	1	6	0	16-bit DIO	4	2	2	1

Specifications

<b>System</b>	
<b>6th Gen Intel® Core™ (formerly Skylake U-Series)</b>	Core™ i7-6600U (2/4 Cores, 2.6 GB/3.4 GHz, 4M Cache, 15W TDP) Core™ i5-6300U (2/4 Cores, 2.4 GHz/3.0 GHz, 3M Cache, 15W TDP) Core™ i3-6100U (2/4 Cores, 2.3 GHz, 3M Cache, 15W TDP) Celeron® 3955U (2/2 Cores, 2.0 GHz, 2M Cache, 15W TDP)
<b>7th Gen Intel® Core™ (formerly Kaby Lake U-Series)</b>	Core™ i7-7600U (2/4 Cores, 2.8 GB/3.9 GHz, 4M Cache, 15W TDP) Core™ i5-7300U (2/4 Cores, 2.6 GHz/3.5 GHz, 3M Cache, 15W TDP) Core™ i3-7100U (2/4 Cores, 2.4 GHz, 3M Cache, 15W TDP) Celeron® 3965U (2/2 Cores, 2.2 GHz, 2M Cache, 15W TDP) 1x SO-DIMM DDR4 2133 (32GB Max.)
<b>Memory</b>	Intel® HD Graphics 510 (3955U)
<b>Graphic</b>	Intel® HD Graphics 520 (Skylake) Intel® HD Graphics 610 (3965U) Intel® HD Graphics 620 (Kaby Lake)
<b>BIOS</b>	AMI 128Mbit SPI BIOS
<b>AI Controller (AIC)</b>	AI for system monitoring and predictive analysis
<b>Watchdog Timer</b>	Runtime: 10 – 65535 seconds Powerup: 120 – 65535 seconds
<b>TPM (optional)</b>	SLB9665 (TPM 2.0) / SLB9635 (TPM 1.2)
<b>Power</b>	
<b>DC Input</b>	9~36VDC
<b>Surge Protection</b>	80V/1ms
<b>Power in Protection</b>	Reverse-Voltage, Over-Voltage, Under-Voltage, Over-Current
<b>Remote/Ignition</b>	1x ATX power on/off switch, 5-pin terminal block including 3-pin remote control and 2-pin ignition signals (pitch 3.81 mm)
<b>Power Mode</b>	AT/ATX (BIOS setting)
<b>Mechanical</b>	
<b>Dimensions (W x D x H)</b>	161(W) x 130(D) x 68.1(H) mm (6.34" x 5.12" x 2.68")
<b>Weight (net/gross)</b>	1.7kg
<b>Mounting</b>	Wall mount bracket, foot stand
<b>Construction</b>	Aluminum and metal chassis with fanless design
<b>Battery</b>	Easily replaceable RTC battery holder
<b>Dynamic Display Module (DDM)</b>	0.96 inch LCM work with AIC to display system status
<b>External IO</b>	
<b>Display Ports / Resolution</b>	2x DP 4096x2304@60Hz 1x VGA/1920x1200@60Hz
<b>Triple Display Ports Combinations</b>	2x DP + 1x VGA
<b>Ethernet</b>	2x RJ45 GbE (1x Intel®i219+1x Intel®i210) / Wake-on-LAN and PXE / i219 supports iAMT 11.0 (AIMG-6RP4i, AIMG-6RP4) 6x RJ45 GbE (1x Intel®i219+5x Intel®i210) / Wake-on-LAN and PXE / i219 supports iAMT 11.0 (AIMG-6Ri, AIMG-6R)
<b>PoE (optional)</b>	4x RJ45 GbE (Intel®i210) PoE+ 802.3at support up to 30W (AIMG-6RP4i, AIMG-6RP4)
<b>USB 3.0/2.0</b>	4x USB 3.0 ports via native XHCI controller (0.9A each port)
<b>COM</b>	1x RS-232/422/485 (auto flow control), 1x RS-232 port
<b>Digital I/O</b>	16-bit programmable DIO (AIMG-6RP4, AIMG-6R) 8-bit isolated DI & 8-bit isolated DO, Sink/Source Mode, 5~48V, 100mA (AIMG-6RP4i, AIMG-6Ri)
<b>Audio</b>	ALC892 HD Audio Codec, Mic in, Line out
<b>SIM</b>	2x SIM push-push slots

<b>Storage</b>	
<b>Internal Drive Bay</b>	1x Internal SATA port for 2.5" HDD/SSD
<b>mSATA</b>	1x mSATA (muxed with Mini-PCIe)
<b>M.2</b>	1x M.2 M Key 2242
<b>Expansion slot</b>	
<b>Mini-PCIe</b>	1x full length Mini-PCIe (PCIe/mSATA + USB + USIM) 1x full length Mini-PCIe (PCIe + USB + USIM)
<b>Other</b>	
<b>USB 2.0 Dongle</b>	Internal 1x USB 2.0 for dongle security key
<b>Antenna</b>	4x antenna openings
<b>LED</b>	Power status, HDD status, IO status
<b>Environment</b>	
<b>Operating Temperature</b>	Standard: -20°C to 50°C (-4°F~122°F), supports CPU TDP up to 35W Extended temperature: -25°C to 70°C (-13°F~158°F) (For more information, please contact your representative)
<b>Storage Temperature</b>	-40°C to 85°C (-40°F to 185°F)
<b>Relative Humidity</b>	95% @ 40°C (104°F), non-condensing
<b>Vibration During Operation (IEC60068-2-64: Random 5~500Hz)</b>	5Grms with SSD; 1 Grms with HDD
<b>Shock During Operation (IEC60068-2-27: Half Sine, 11ms Duration)</b>	50Grms with SSD; 20Grms with HDD
<b>Certification</b>	
<b>EMC</b>	CE/FCC Class A
<b>Safety Certifications</b>	CB
<b>OS Support</b>	
<b>Optional OS Installation</b>	Windows 7 32-bit/64-bit (Skylake only) Windows 8.1 32-bit/64-bit (Skylake only) Windows Embedded Standard 7(Skylake only) Windows Embedded 8 Standard (Skylake only) Windows 10 64-bit Windows 10 IoT Linux

I/O Interfaces



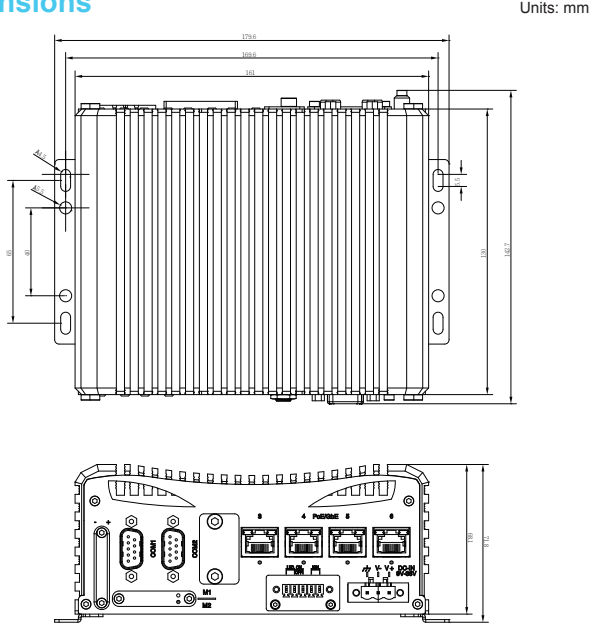
Ordering Information

Remark: Following models include Intel® 6th Gen Skylake U (SKL-U) platform, 2x DP, 1x VGA, 4x USB 3.0, 2x RS-232/422/485, 2x RS-232, 1x Internal SATA port for 2.5" HDD/SSD		
AIMG6-6RP4i Barebone System	AIMG6-6600-6RP4i	Core™ i7-6600U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 8-bit isolated DI & 8-bit isolated DO
	AIMG6-6300-6RP4i	Core™ i5-6300U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 8-bit isolated DI & 8-bit isolated DO
	AIMG6-6100-6RP4i	Core™ i3-6100U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 8-bit isolated DI & 8-bit isolated DO
AIMG6-6RP4 Barebone System	AIMG6-3955-6RP4i	Celeron® 3955U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 8-bit isolated DI & 8-bit isolated DO
	AIMG6-6600-6RP4	Core™ i7-6600U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 16-bit DIO
	AIMG6-6300-6RP4	Core™ i5-6300U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 16-bit DIO
AIMG6-6Ri Barebone System	AIMG6-6100-6RP4	Core™ i3-6100U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 16-bit DIO
	AIMG6-3955-6RP4	Celeron® 3955U CPU, 2x GbE(RJ45), 4x GbE/PoE(RJ45), 16-bit DIO
	AIMG6-6600-6Ri	Core™ i7-6600U CPU, 6x GbE(RJ45), 8-bit isolated DI & 8-bit isolated DO
AIMG6-6R Barebone System	AIMG6-6300-6Ri	Core™ i5-6300U CPU, 6x GbE(RJ45), 8-bit isolated DI & 8-bit isolated DO
	AIMG6-6100-6Ri	Core™ i3-6100U CPU, 6x GbE(RJ45), 8-bit isolated DI & 8-bit isolated DO
	AIMG6-3955-6Ri	Celeron® 3955U CPU, 6x GbE(RJ45), 8-bit isolated DI & 8-bit isolated DO
AIMG6-6R Barebone System	AIMG6-6600-6R	Core™ i7-6600U CPU, 6x GbE(RJ45), 16-bit DIO
	AIMG6-6300-6R	Core™ i5-6300U CPU, 6x GbE(RJ45), 16-bit DIO
	AIMG6-6100-6R	Core™ i3-6100U CPU, 6x GbE(RJ45), 16-bit DIO
AIMG6-6R Barebone System	AIMG6-3955-6R	Celeron® 3955U CPU, 6x GbE(RJ45), 16-bit DIO

Optional Accessories

Isolated Module	
iDIO-8I8O	8-bit isolated DI & 8-bit isolated DO module
<b>AC-DC Power Adapter</b>	
ADT-24V60-T3A	24V/60W AC-DC power adapter with pitch 5.08mm 3-pin terminal block plug
ADT-24V90-T3A	24V/90W AC-DC power adapter with pitch 5.08mm 3-pin terminal block plug
ADT-24V120-T3A	24V/120W AC-DC power adapter with pitch 5.08mm 3-pin terminal block plug
ADT-24V160-T3A	24V/160W AC-DC power adapter with pitch 5.08mm 3-pin terminal block plug
ADT-24V220-T3A	24V/220W AC-DC power adapter with pitch 5.08mm 3-pin terminal block plug
ADT-24V280-T3A	24V/280W AC-DC power adapter with pitch 5.08mm 3-pin terminal block plug
<b>AC Power Cord</b>	
PCBL-B12	YP12-YC12:category B type plug, H05VV-F 3G 0.75mm2, 1.8m, 250V, 10A, TW/JP/US/CA/TH/PH/Central America
PCBL-D03	YP03-YC12:category D type plug, H05VV-F 3G 0.75mm2, 1.8m, 250V, 10A, CN
PCBL-D35	YP35-YC12:category D type plug, H05VV-F 3G 0.75mm2, 1.8m, 250V, 10A, AU/NZ
PCBL-G22	YP22-YC12:category G type plug, H05VV-F 3G 0.75mm2, 1.8m, 250V, 10A, DE
PCBL-I61	YP61-YC12:category I type plug, H05VV-F 3G 0.75mm2, 1.8m, 250V, 10A, UK/HK/MO/SG/MY

Dimensions



Packing List

Item No.	
1	Eagle Eyes Embedded Box PC AIMG x1
2	Rubber Foot x4 with M2.5x5 screws x4

\* Please contact sales representative