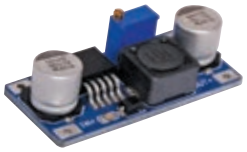
▼ Power Modules

DC-DC Buck Module



Compact, self-contained LM2596 DC-DC module for generating a lower, regulated DC voltage output from a higher voltage supply. Much higher efficiency and lower heat dissipation than traditional linear regulator designs. 3-40V DC input. 1.5-35V output. 3A max.

Price Each	RRP	2+	4+
Z 6334	7.95	7.15	6.35

USB 5V DC Boost Module

Accepts an input voltage of 1-5VDC and outputs 5V DC 600mA via USB. Ideal for powering projects from batteries such as a single 3.6V lithium cell. Very small module, easy to build into any design. 34L x 16Wmm.

Price Each	RRP	2+	4+
Z 6366	4.95	4.45	3.95

USB Lithium Charger Module

Provides a 1A charging current to a single lithium cell from a 5V DC input. Can be powered by USB (mini-B socket provided). LED indicators on board.

Price Each	RRP	2+	4+
Z 6388	4.95	4.45	3.95

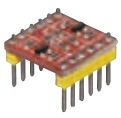
2A Lithium Charger Module

A double switch buck 8.4V, single cell 4.2V lithium charging module. Its ultra-compact package and simple connection makes it ideal for portable equipment

Price Each	RRP	2+	4+
Z 6443	8.95	8.05	7.15

Logic Level Converter Board

Allows you to safely connect 3.3V powered modules to a 5V power source. 2 bi-directional channels. 12 pin DIL package size. Easy to use with a breadboard.



Price Each	RRP	2+	4+
Z 6390	4.95	4.45	3.95

Hall Current Sensor Modules

Compact ACS712 hall current sensor modules for load detection and management in power supply and motor control designs. Size: 31x13mm. 5V input

Price Each	RRP	2+	4+
Z 6428 -5A / +5A	11.95	10.45	9.45
Z 6429 -30A / +30A	11.95	10.45	9.45

▼ Data Transmission

R3 Ethernet Shield

The Arduino Ethernet Shield allows an Arduino board to connect to the internet. It is based on the Wiznet W5100 ethernet chip providing a network (IP) stack capable of both TCP and UDP. Supports up to four simultaneous socket connections.

Price Each	RRP	4+
Z 6242 Funduino R3 clone	41.50	36.95

Bluetooth 4.0 Module

This small size Bluetooth 4.0 TTL transceiver module allows your project to communicate with other bluetooth equipped devices. Can be set as slave or master. Low standby current. 60m range. Inbuilt antenna. 3.6-6V input. 45L x 17Wmm.

Price Each	RRP	2+	4+
Z 6365	29.95	26.95	23.95

Bluetooth 4.0 CSR8635 Module

Can be used to build wireless audio streaming into an OEM product or other audio project. It features A2DP, AVRCP remote control protocol transmission.

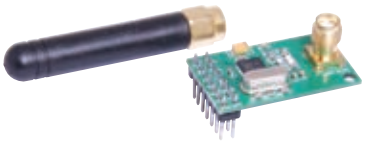
Price Each	RRP	2+	4+
Z 6383	19.95	17.95	15.95

Bluetooth 4.0 LE nRF51822 Module

A compact Bluetooth LE module with built in antenna. I2C/SPI serial interface standard output. Ideal DIY projects for mobile devices, game controllers, intelligent appliances etc.

Price Each	RRP	2+	4+
Z 6431	19.95	17.95	15.95

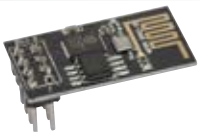
NRF905 RF ISM Transceiver Breakout



A 433-947MHz ISM band transceiver designed for use over distances up to 1000m. It is ideal for low power wireless communications between devices. 3.3V input. Note: when using, ensure you select a legal frequency for use in Australia. See ACMA website for more info.

Price Each	RRP	2+	4+
Z 6354	19.95	17.95	15.95

ESP8266/ESP-01 Mini Wi-Fi Module

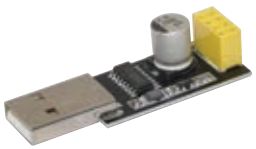


ESP8266 802.11b/g/n serial to Wi-Fi module can give any microcontroller access to your Wi-Fi network. A cost effective and easy to use Wi-Fi add on for your project. Integrated TCP/IP protocol stack. 3.3V input.

Price Each	RRP	2+	4+
Z 6360	16.95	15.25	13.55

USB To ESP8266 Adapter

Adapter to allow the serial communication via USB port for programming Z 6360 (ESP8266) Wi-Fi modules.



Price Each	RRP	2+	4+
Z 6399	9.95	8.95	7.95

434MHz Wireless Transceiver

A low cost, high performance option to add wireless functionality to your latest design. Up to 115.2kbps data rate. Operates in 434MHz band. 2.2 - 3.8V input.

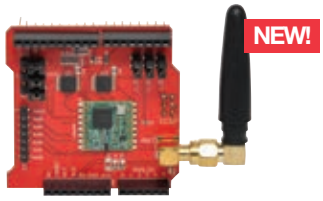
Price Each			RRP
Z 6232	WRL-09582		14.95

Wi-Fi Ethernet CC3000 Shield

The CC3000 chipset provides a self contained wireless network which makes incorporating wi-fi into your project easy. Utilizes an SPI interface allowing control of the flow. Onboard antenna with pads for connection to external antenna. A microSD card slot is provided which will work with Arduino's SD library. Standard shield layout. 4.5-12V DC supply voltage.

Price Each	RRP	2+	4+
Z 6350	68.95	62.25	55.25

LoRa Long Range Transmission Shield



A shield for Arduino allowing long range data transmitting and receiving. This board is ideal for small remote sensor and controller projects where communication with the device is required of a range up to several kilometres. 3.3/5V input. 915MHz frequency band. Includes external antenna.

Price Each	RRP	2+	4+
Z 6432	59.95	53.95	47.95