



### Description:

The Optimus Uno is a superior product that has been designed to address the major issues associated with the Arduino Uno clone. Unlike its predecessor, the Optimus Uno features USB power isolation from external power supply for the USB to TTL converter chip (CH430). Furthermore, the Optimus Uno also features reverse polarity protection for external power input at the 2.1mm jack.

The Optimus Uno consists of high quality and branded electronic components and has a 12V input capability due to high quality voltage regulators.

### Specifications:

Microcontroller	ATMega328P
Operating Voltage	5V
Recommended Input Voltage	7 – 12V
Limited Input Voltage	6 – 20V
Digital I/O Pins	14
PWM Digital I/O Pins	6
Analog Input Pins	6
DC Current per I/O Pin	20 mA
DC Current for 3.3V Pin	50 mA
Flash Memory	32 KB
SRAM	2 KB
EEPROM	1 KB
Clock Speed	16 MHz

### Special Features:

- Use of high-quality branded components.
- Reverse polarity protection for external power input.
- 12V DC power input capability. Because of high quality voltage regulators.
- Isolated USB power from external supply for USB to TTL converter chip (CH340).