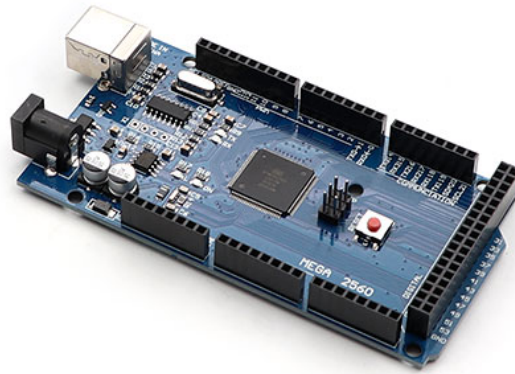# Arduino Mega 2560

Description:

The Arduino Mega 2560 is a microcontroller board based on the ATmega2560. It has 54 digital input/output pins (of which 14 can be used as PWM outputs), 16 analog inputs, 4 UARTs (hardware serial ports), a 16 MHz crystal oscillator, a USB connection, a power jack, an ICSP header, and a reset button. It contains everything needed to support the microcontroller; simply connect it to a computer with a USB cable or power it with an AC-to-DC adapter or battery to get started. The Mega is compatible with most shields designed for the Arduino Duemilanove or Diecimila.

Specifications:

- ❖ Microcontroller: ATmega2560
- ❖ Operating Voltage: 5V
- ❖ Input Voltage: 7-12V
- ❖ Input Voltage: 6-20V
- ❖ Digital I/O Pins: 54 (of which 14 provide PWM output)
- ❖ Analog Input Pins: 16
- ❖ DC Current per I/O Pin: 40 mA
- ❖ DC Current for 3.3V Pin: 50 mA
- ❖ Flash Memory: 256 KB of which 8 KB used by bootloader
- ❖ SRAM: 8KB
- ❖ EEPROM: 4KB
- ❖ Clock Speed: 16MHz
- ❖ Size: 10.1x5.3cm

More Detailed Photos:

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