

Arduino Mega 2560 R3 (Atmega2560 - assembled)

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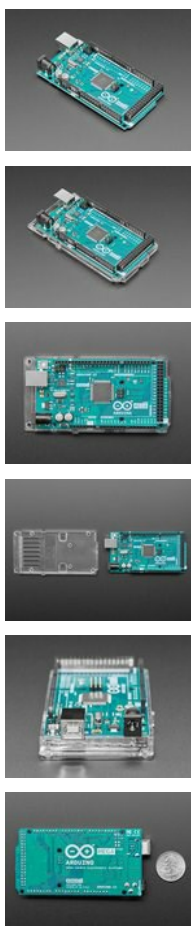
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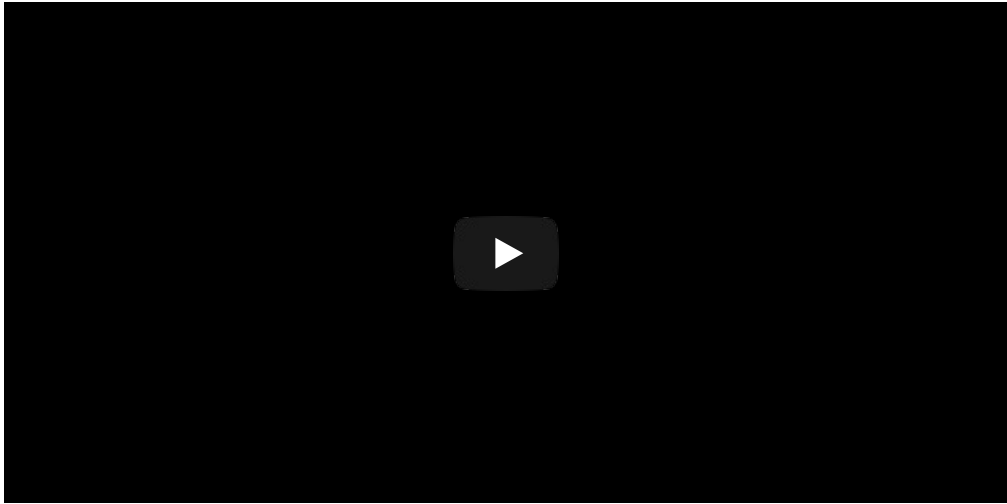
[TECHNICAL DETAILS](#)





DESCRIPTION

The **Arduino Mega 2560** is a microcontroller board based on the [ATmega2560](#). It has 54 digital input/output pins (of which 15 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 2560 board is compatible with most shields designed for the Uno and the former boards Duemilanove or Diecimila.



TECHNICAL DETAILS

- Microcontroller: [ATmega2560](#)
- Operating Voltage: 5V
- Input Voltage (recommended): 7-12V
- Input Voltage (limit): 6-20V
- Digital I/O Pins: 54 (of which 15 provide PWM output)
- Analog Input Pins: 16
- DC Current per I/O Pin: 20 mA
- DC Current for 3.3V Pin: 50 mA
- Flash Memory: 256 KB of which 8 KB used by bootloader
- SRAM: 8 KB
- EEPROM: 4 KB
- Clock Speed: 16 MHz
- LED_BUILTIN: 13
- Length: 101.52 mm
- Width: 53.3 mm
- Weight: 37 g

[Microcontroller Datasheet](#)



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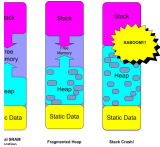
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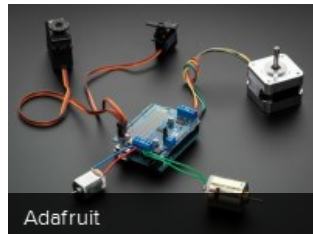
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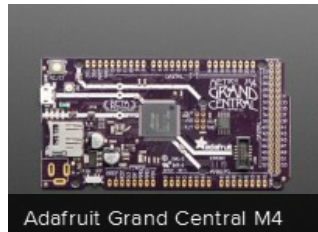
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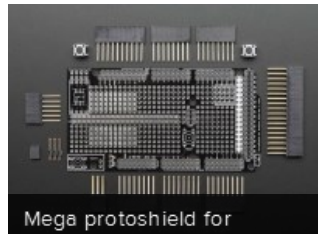
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