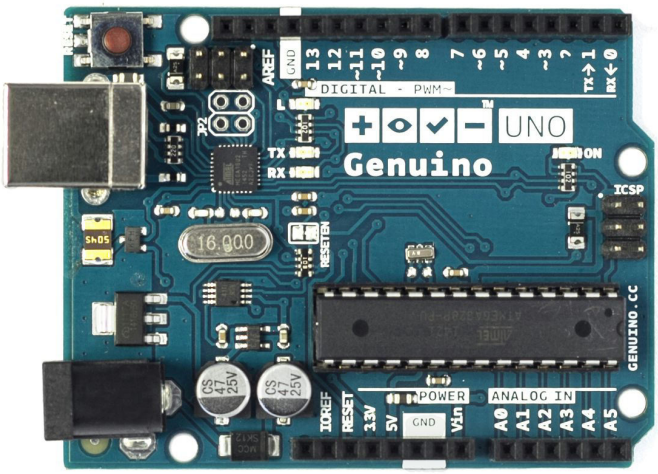
GENUINO UNO (GBX00066)

Your entry to the unique Genuino experience: from the basics of electronics to rapid prototyping, thousands of opportunities all in one board.



Overview

Genuino Uno is the ideal board for getting started with electronics, through fun and engaging hands-on projects. This board is your entry to the unique Genuino experience: great for learning the basics of how sensors and actuators work, and an essential tool for your rapid prototyping needs. Genuino Uno Rev3 is the most used and documented board in the Genuino family. Thanks to the lively and helpful community surrounding the Genuino Uno, no one will find themselves without support.

Technology

Genuino Uno Rev3 is a microcontroller board based on the ATmega328P, an 8-bit microcontroller with 32KB of Flash memory and 2KB of RAM. It contains everything needed to support the microcontroller; simply connect it to a computer with a USB cable or power it with a AC-to-DC adapter or battery to get started.
The Uno board is the first in a series of USB boards and it is the reference model for the Genuino platform; for an extensive list of current, past or outdated boards see the Comparison Page.

Specifications

Microcontroller	ATmega328P
Operating Voltage	5V
USB	Standard Type B
Digital I/O Pins	14
PWM Digital I/O Pins	6
Analog Input Pins	6
Flash Memory	32 KB
SRAM	2 KB
EEPROM	1 KB
Clock Speed	16 MHz
Length	68.6 mm
Width	53.4 mm
Weight	25 g

Documentation

The Uno is open-source hardware! These are the relevant files:
Schematics - Reference Design - Board size

If you want more information about programming the Genuino Uno or how to interface hardware with it, please go to the Product Page.
Genuino Uno Rev3 is programmed, as all the other Genuino boards with the Software (IDE) that you can download for free. To find inspiration forwhat you can do with the Genuino Uno, please visit the Genuino.cc Tutorials Page or take part in the community the lively discussions on the Forum.