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Hardware

MKR Family



Classic



Boards

- Leonardo
- Micro
- UNO Mini Limited Edition
- UNO R4 Minima
- UNO R4 WiFi
- UNO R3**
- UNO R3 SMD
- UNO WiFi Rev2
- Yún Rev2
- Zero

Shields

- 4 Relays Shield
- 9 Axis Motion Shield
- Ethernet Shield Rev2
- Motor Shield Rev3

Nano Family



Portenta Familv

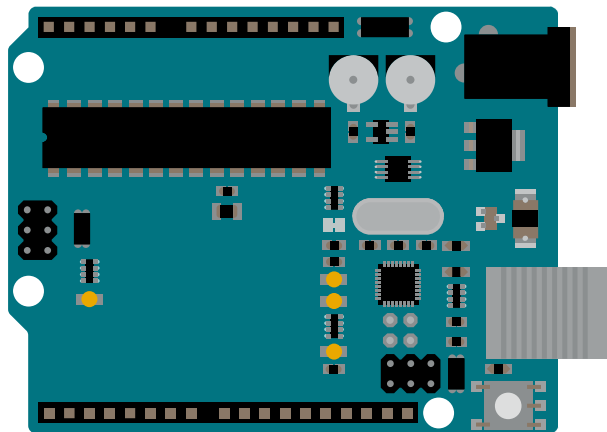


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# UNO R3

The Arduino UNO is the best board to get started with electronics and coding. If this is your first experience tinkering with the platform, the UNO is the most robust board you can start playing with. The UNO is the most used and documented board of the whole Arduino family.

GET STARTED



Buy now

DOWNLOADABLE RESOURCES



Pinout (PDF)



Datasheet



Schematics



CAD Files

Features

Tutorials

Tech Specs

Compatibility

Suggested Libraries

Arduino UNO is a microcontroller board based on the **ATmega328P**. It has 14 digital input/output pins (of which 6 can be used as PWM outputs), 6 analog inputs, a 16 MHz ceramic resonator, 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 a AC-to-DC adapter or battery to get started. You can tinker with your UNO without worrying too much about doing something wrong, worst case scenario you can replace the chip for a few dollars and start over again.



Replaceable chip

The ATmega328P can easily be replaced, as it is not soldered to the board.



EEPROM

The ATmega328P also features 1kb of EEPROM, a memory which is not erased when powered off.

DOCUMENTATION



Battery Connector

The Arduino UNO features a barrel plug connector, that works great with a standard 9V battery.

## Connect and Contribute

Project Hub

GitHub Repository

Forum

Product Compliance

Help Center



Help