



ARDUINO UNO WIFI REV2

Code: ABX00021

Using a brand new 8-bit microprocessor from Microchip for the first time on an Arduino board. Explore the possibilities with the onboard IMU (Inertial Measurement Unit). Connect the board to your Wi-Fi network in a secure manner using the new ECC608 crypto chip accelerator.

OVERVIEW

The Arduino Uno Wi-Fi is functionally the same as a Arduino Uno Rev3 except on four points:

- It incorporates a brand new 8-bit microprocessor from Microchip.
- It has an onboard IMU (Inertial Measurement Unit).
- You can connect it to your Wi-Fi network with the onboard wifi module.
- The wifi connection is secured by the new ECC608 crypto chip accelerator.

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 an AC-to-DC adapter or battery to get started.

The Wi-Fi Module is a self contained SoC with integrated TCP/IP protocol stack that can give access to your Wi-Fi network. (Or the device can act as an access point.) One useful feature of Uno Wi-Fi is support for OTA (over-the-air) programming, either for transfer of Arduino sketches or Wi-Fi firmware.

