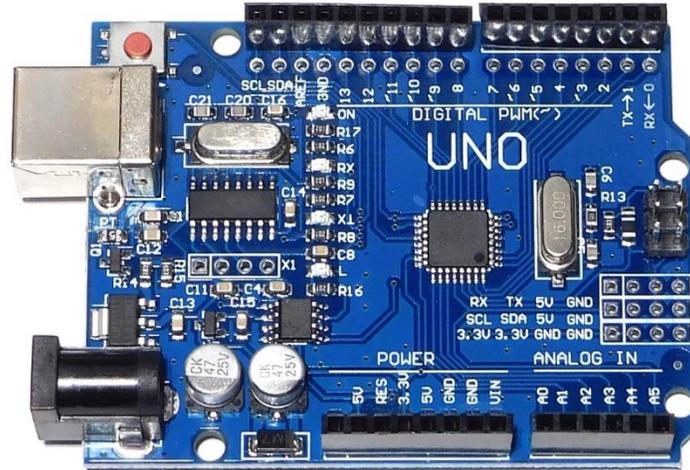


Arduino UNO compatible development module Atmega328P



The UNO R3 is a microcontroller board based on the ATmega328P. It is one of the most popular models in the Arduino board family and is often used for DIY electronics projects, hobbyist inventions, and educational purposes. The board is equipped with a CH340 USB-UART that allows the connection to a computer via USB for programming, debugging and communication purposes. The Atmega328P microcontroller has 32KB of flash memory, 2KB of SRAM, and 1KB of EEPROM, and runs at a clock speed of 16MHz. The UNO R3 is compatible with a wide range of shields (expansion boards) and has several digital and analog input/output pins, making it easy to interface with sensors, actuators, and other components.

Advantages of the CANADUINO UNO R3 over the Arduino UNO R3:

- 3.3V LDO can deliver 200mA continuously for auxiliary devices (e.g. sensors, HID)
- Multiple tie points 3.3V, 5V, GND, SCL, and SDA for easier I2C bus access
- Precisely 16MHz crystal with 0.003% error instead of simple resonator
- 50% lower price

The Arduino UNO R3 was originally designed with a simple 16MHz resonator which made it impossible to use it for clock applications. The advanced design comes with a proper 16MHz crystal for much higher stability.

Please download the latest CH340 USB driver from WCH official website.

