

Arduino Nano CH340



The Arduino Nano is a small, complete, and breadboard-friendly board based on the ATmega328 (Nano R3). It has more or less the same functionality of the Uno but in a different package. It lacks only a DC power jack and works with a Mini-B USB cable instead of a standard one.

The Nano can be power via the mini-USB connection, 6-20V unregulated external power supply (pin 30), or 5V regulated external power supply (pin 27). The power source is automatically selected to the highest voltage source.

The size of Nano Arduino V3.0 with CH340 Chip is only 43 mm x 18 mm; it comes with 6 PWM I/O from the total of 14 digitals I/O, 8 analog inputs, 16Mhz clock speed and 32kB of flash memory.

Note: CH340 chip might not work directly with some PC/Laptop, you will need some ch340 drivers.

FEATURES:

- 1 pair of TTL level serial transceiver ports RX / TX
- Using Atmel Atmega328P-AU MCU
- There is a bootloader(old) installed in it
- Support USB download and Power
- Support for external 5V ~ 12V DC power supply
- Support power supply by 9V battery

- Support ISP download
- Automatic reset during program download.
- Power OK blue LED on the bottom.
- Green (TX), red (RX) and orange (L) LED.
- +5V to AREF jumper.
- Auto sensing/switching power input.
- Small mini-B USB for programming and serial monitor.
- ICSP header for direct program download.
- Standard 0.1" spacing DIP (breadboard friendly).
- Manual reset switch

SPECIFICATIONS:

- Model Type: Nano
- Color: Blue
- Microcontroller: ATmega328
- Operating Voltage: 5 V
- Input Voltage (Recommended): 7-12 V
- Power Consumption: 19 mA
- Analog I/O Pins: 8
- Digital I/O Pins: 22
- PWM Output Pins: 6
- Architecture: AVR
- Clock Speed: 16 MHz
- DC Current per I/O Pin: 40 mA
- Flash Memory: 32 KB of which 2 KB used by bootloader
- EEPROM: 1KB
- SRAM: 2KB
- Dimensions (mm) LxWxH: 45x18x5
- Weight (gm): 8

INSTRUCTIONS OF CH340 USB TO SERIAL DRIVER AND INSTALLATION:

- If you are connected to internet, just plug CH340 USB to serial converter to your computer, windows will detect and download driver. You will see following message on successful installation. CH340 is installed on comport 23.
- Go to start menu.
- Right click on My Computer.
- Click on Properties
- Select Device Manager form left control panel
- Expand USB options available
- Right click on CH340
- Select Update driver
- Select browse option
- Extract the downloaded folder, downloaded in step 3.1
- Locate step browse to the extracted folder
- Follow the further instruction of your computer
- CH340 device will be installed

PACKAGE INCLUDES:

1 x Nano CH340 Chip Board without USB cable compatible with Arduino (Soldered)