



PRODUCT NAME : Arduino UNO R3+ Sens
or V5 + 12864 Graphic LCD

PRICE : Rs 2,899.00

SKU : RM2407



DESCRIPTION

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The Robomart Arduino Uno:

This is the new Arduino Uno R3. In addition to all the features of the previous board, the Uno now uses an ATmega16U2 instead of the ATmega8U2 chip. This allows for faster transfer rates and more memory. No drivers needed for Linux or Mac (inf file for Windows is needed and included in the Arduino IDE), and the ability to have the Uno show up as a keyboard, mouse, joystick, etc.

3.3VV/5V Supply Voltage and IO Voltage is optional.

More 3.3V modules supported, such as Xbee module, Bluetooth module, RF module, GPRS module, GPS module, LCD5110 Backlight and so on, but the original version can only support 5V IO.

Controller uses **SMD MEGA328P-AU chip**.

Add A6/A7 port.

Robomart R3 can directly use the electronic building blocks on I / O port and elicit G, V, S.

The Uno R3 also adds SDA and SCL pins next to the AREF. In addition, there are two new pins placed near the RESET pin. One is the IOREF that allow the shields to adapt to the voltage provided from the board. The other is a not connected and is reserved for future purposes. The Uno R3 works with all existing shields but can adapt to new shields which use these additional pins.

Arduino is an open-source physical computing platform based on a simple i/o board and a development environment that implements the Processing/Wiring language. Arduino can be used to develop stand-alone interactive objects or can be connected to software on your computer (e.g. Flash, Processing, MaxMSP). The open-source IDE can be downloaded for free (currently for Mac OS X, Windows, and Linux).

Features:

- ATmega328-AU microcontroller
- Input voltage - 7-12V
- 5V Electric current : 500MA
- 3.3V Electric current : 50MA
- 14 Digital I/O Pins (6 PWM outputs)
- 8 Analog Inputs
- 32k Flash Memory
- 16Mhz Clock Speed

Arduino Sensor Shield allows you to connect to various modules like sensors, servos, relays, buttons, potentiometers and so on. Just plug & play. Each functional module has a buckled port with VCC, GND and Output, which has a corresponding port on the Sensor Shield, connected with a plain 2.54mm dual-female cable you may start playing already.

Robomart 12864 128x64 Graphic Yellow LCD Display Module Backlight a 128x64 liquid crystal display that supports Chinese characters, English characters and even graphics, very suitable for interactive work with Arduino.

Specifications:

Voltage: 5V

Yellow backlit

Controller: ST7920

Size: 93x70mm

Package Including:

1x Arduino UNO

1x Robomart Sensor Shield Digital Analog Module V5 (RM2550)

1x Robomart 12864 128x64 Graphic LCD

1x jumper wire pack