

## OKY2002

**Product Name:** UNO R3 ATmega328P ATmega16U2 Development Board With USB Cable

### **Description:**

Open circuit diagram of the original design, the development of software interface for free download, can also be in accordance with the requirements and their modified, download the program is simple and convenient. Can simply use sensors, all kinds of electronic components connection (such as: LED lights, buzzer, buttons, photo resistance, etc.), make all sorts of interesting work. Microprocessor controller, using high-speed development interface and the environment are very simple and easy to understand, very suitable for beginners to learn.

### **Function:**

1. Suture changes: AREF adds two I2C pins (SDA and SCL, only 4 and 5 analog copies, not an additional I2C interface). In addition, in addition to RESET also added two pins, one is IOREF, (Such as UNO 5 V, can be regarded as a copy of the power supply pin, does not provide level), the other is to use the placeholder Nail processing.
2. The RESET circuit is more stable. The RESET button position changes and moves closer to the USB interface near the gap.
3. ATmega16U2 instead of 8 u2, this does not mean that there is a 16k flash cd that can make your code run faster, the USB interface chip updates the service so that UNO can theoretically simulate USB HIDs such as MIDI / Joystick / keyboard

### **Specification:**

Controller: ATmega328P-PU

USB to serial chip: ATmega16U2

Input Voltage (recommended): 7-12V

Digital IO pins: 14 (of which 6 provide PWM output)

Analog input pins: 6

DC Current per I/O Pin: 40 mA

USB Port: type B USB

Clock Speed: 16 MHz

Operating voltage: 5V

Input Voltage (limits): 6-20V

PWM channel: 6

Weight: 57g with wire

### **Package Included:**

1pcs UNO R3 ATmega328P ATmega16U2 Development Board

1pcs USB Cable