

## KE0002 keys 2560 R3 for arduino development board red environmental protection

### Overview:

#### ARDUINO 2560 R3 development board

The ARDUINO 2560 R3 development board is our latest easy-to-use open source controller. There are no major changes in hardware compared to the official Arduino MEGA 2560. In appearance, we replaced blue with red to give you a new experience. In hardware, we replaced 8U2 with ATmega16U2. This update is for the USB interface chip. In theory, it allows the 2560 R3 to simulate USB HID, such as MIDI/Joystick/Keyboard.

### Specification:

Main control chip: ATmega2560

Working voltage: 5v (USB cable power supply)

External power supply: 7-12V, 9V

digital input and output ports are recommended : 54 of which 15 support pwm

analog input and output ports: 16 for

each I/O port Output current: 40mA

3.3V pin output current: 50mA

Flash memory space: 256KB (of which 8KB is used to load the program)

SRAM: 8KB

EEPROM: 4KB

clock frequency: 16MHZ

### Interface Introduction:

1. Digital port D0-D53
2. Reset button
3. ATmega2560
4. 4 ICSP interface
5. Atmega16U2
6. USB interface
7. 16 MHz crystal
8. Regulator 5V
9. DC power connector, range of 7V-12V
10. Power output interface
11. Output 5VDC
12. ICSP interface
13. Analog port A0-A15

