





**DFROBOT**<sup>®</sup>  
DRIVE THE FUTURE

## ***FEATURES***

- 20mm X 22mm compact size
- Direct downloading and testing via Micro USB
- V-shaped large-size gold-plated IO ports make it convenient for the user to twist wires upon, and can also be directly sewn on clothes with conductive thread.
- Two honeycomb shape gold-plated power interface
- Magic light blue soft BLINK indicator

## ***SPECIFICATION***

- Microcontroller: ATmega32u4
- Clock Speed: 16 MHz
- Operating Voltage: 5V DC
- Digital I/O Pins: 10
- PWM Channels: 4
- Analog Input Channels: 5
- UART: 1
- I2C: 1
- Micro USB: 1
- Power Ports: 2
- Flash Memory: 32 KB of which 4KB used by bootloader
- SRAM: 2.5 KB
- EEPROM: 1 KB
- Size: 20mm\*22mm\*3.8mm