KEYESTUDIO V4.0 Development Board

Instruction

It has 14 digital input/output pins (of which 6 can be used as PWM outputs), 6 analog inputs, a 16 MHz crystal oscillator, a USB connection, a power jack, 1 ICSP header, and a reset button. The built-in ICSP port can burn the firmware for ATMEGA328P-PU directly. This chip is burnt the firmware well before leaving the factory, therefore, we hardly use it. We can power on by USB wire, DC head and Vin GND pins. To facilitate wiring, a 0.5 m USB wire is provided for you.

Specifications:

- Microcontroller: ATMEGA328P-PU
- USB serial chip ： CP2102
- Operating Voltage: 5V
- Input Voltage (recommended):DC 7-12V
- Digital I/O Pins: 14 (D0-D53)
- PWM Digital I/O Pins ： 6 (D3 D5 D6 D9 D10 D11)
- Analog Input Pins: 6(A0-A5)
- DC Current per I/O Pin: 20 mA
- DC Current for 3.3V Pin: 50 mA
- Flash Memory: 32 KB (ATMEGA328P-PU) of which 0.5 KB used by bootloader
- SRAM:2 KB (ATMEGA328P-PU)
- EEPROM: 1 KB (ATMEGA328P-PU)
- Clock Speed:16 MHz
- LED_BUILTIN:D13