

Arduino PRO MICRO Development Board

Module: MB0091

Introduction

Keyestudio PRO MICRO development board is compatible with all Arduino skills, including four analogue inputs, five PWM pins, twelve digital inputs/outputs and hardware serial port Rx and Tx. Its operating voltage is 3.3V and working frequency is 16MHz, which can accept external supply voltage up to DC 9V. The positive of power supply board must be connected to the "RAW". We also added a PTC fuse and diode to protect power supply circuit. In choosing test program, Arduino IDE version must be higher or equal to version 1.0.3.

Specification:

Microcontroller: ATMEGA32U4

RAW: 7V-9V

VCC: 3.3V at 500mA

Digital I/O Pins: 12 (of which 5 provide PWM output)

Analog Input Pins: 4

Maximum current for chip: 200mA

Maximum current per pin: 40mA

Recommended current per pin: 20mA

8-bit Atmel AVR

Flash Program Memory: 32kB

EEPROM: 1kB

Internal SRAM 2.5kB

ADC:10-bit

PWM:8bit

High Speed PWM with programmable resolution from 2-11 bits

