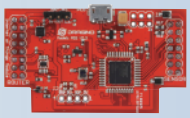
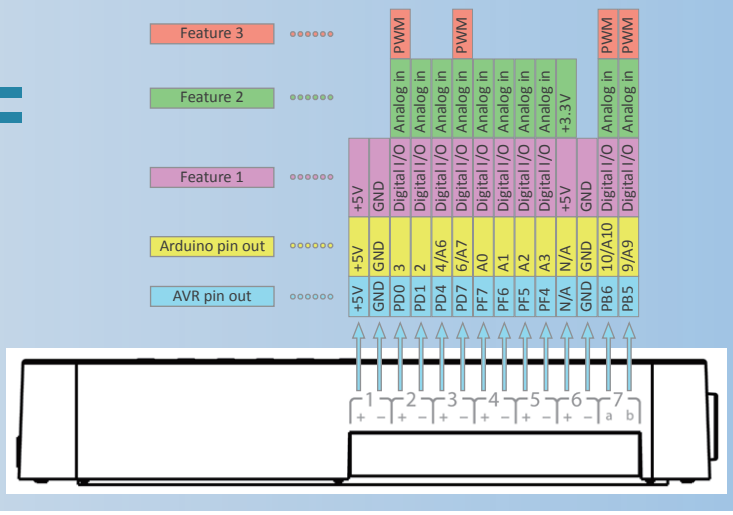
Arduino Internet of Things module

M32

MS14-S



M32



OVERVIEW:

M32 Internet of Things module is designed for the easy of programming and installation for IoT projects. It is a plug-in module for MS14-S and powered by an ATMEL ATmega32u4 micro-controller.

M32 is Arduino Yun compatible and can be programmed / debugged by the Arduino IDE via Ethernet, this help developer mush easy to design their IoT application.

With the combination of MS14-S, M32 and Arduino Yun software, developers can install Internet of Things projects in easy / rapidly way.

Features:

- Internet of Things module to connect sensor network to internet
- Log sensor data and upload to remote server
- Control switch/relay from Internet
- Easy programming use Arduino IDE
- Compatible with Arduino Yun software
- Program/update/ debug via WiFi network
- ESD and Overvoltage Protection
- USB connector for programming/debugging
- Open hardware design

Specification:

- Microcontroller : ATmega32U4
- Operating Voltage: 5V
- I/O voltage: 5V
- 3.3V output channel x 1
- 5V output channels x 2
- SRAM: 2.5KB
- Flash Memory: 32KB
- EEPROM: 1KB
- Clock speed: 16MHz
- Digital I/O pins x 10
- Analog input channels x 8
- PWM channels x 4

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