ATOM PoE





Description

ATOM PoE is an Ethernet accessory for the M5 Atom series, which Supports PoE(Active Ethernet) technology. The built-in PoE module can directly supply power to the entire device through a PoE hub/switch without a separate power supply, effectively reducing the cost of your setup. It has a built-in W5500 Ethernet controller, integrated TCP/IP protocol stack, with 8 independent hardware sockets, 10/100M Ethernet data link layer (MAC) and physical layer (PHY) to provide a more convenient Internet connection solution for your embedded systems. It can meet the wired network access requirements in the production environment.

Product Features

Supports PoE IEEE802.3 AF
Wired Ethernet Access
8 independent hardware sockets
Supports TCP、UDP、ICMP、IPv4、ARP、IGMP、PPPoE
Integrated 10BaseT / 100Base-T Ethernet PHY

Includes

1x ATOM PoE 1x ATOM LITE 1x TYPE-C USB Cable (20cm)

Application

Remote control
Wired Internet connection

Specification

Specification	Parameter
Ethernet Chip	W5500
Supported Protocols	TCP、UDP、ICMP、IPv4、ARP、IGMP、PPP0E
PoE Power Supply	Idle pin power supply(10M/100M Ethernet), J4&J5(VC-),J7&J8(VC+)
PoE Spec	IEEE802.3 AF
Net Weight	22g
Gross Weight	44g
Product Dimension	24*48*18mm
Packaging Dimension	54*54*20mm

EasyLoader

can be burned to the main control by simple steps to perform a series of function verification.

Related Links

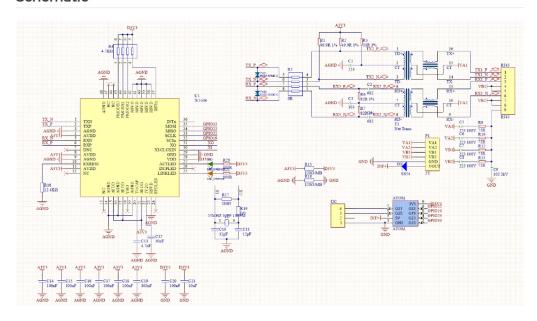
Datasheet

W5500

Pinout

АТОМ	GPIO22	GPIO19	GPIO23	GPIO33
ATOM PoE	CLK	CS	MISO	MOSI

Schematic



Example

1. Arduino

Click here to download the Arduino example

PURCHASE