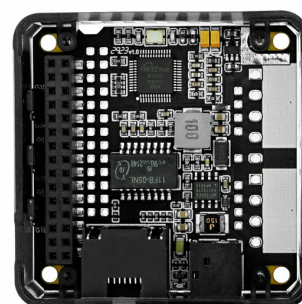
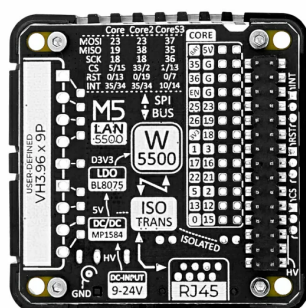
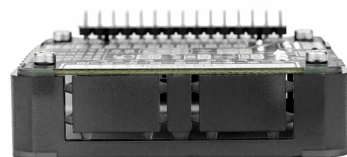
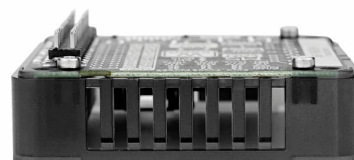
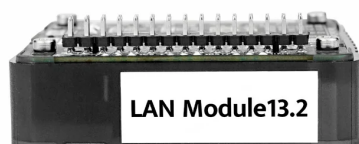


Module13.2 LAN

SKU:M136



Description

Module13.2 LAN is an Ethernet controller module with a built-in W5500 full-hardware TCP/IP embedded Ethernet controller (SPI communication interface), supporting multiple communication protocols (TCP, UDP, IPv4, ICMP, ARP, IGMP, and PPPoE, etc.) and integrated with a storage buffer for Ethernet packet processing. In terms of safety: it has a built-in signal-isolated 100M transformer, which converts the signal from the RJ45 interface input to a signal suitable for the output, providing electrical isolation and preventing electromagnetic interference. In terms of power supply: it has a DC-JACK interface and corresponding DC/DC step-down circuit, which can provide power to

the entire device. The onboard **jumper pin** allows for multiple Module13.2 LAN modules to be stacked, and the reserved HT3.96 interface allows users to add expansion devices. The Module13.2 LAN, with its performance and flexibility, provides a simpler embedded Ethernet connection solution. It is suitable for industrial automation, IoT (Internet of Things), data acquisition, and remote monitoring applications.

Features

- Signal Isolation: Built-in 100M transformer for signal isolation, preventing electromagnetic interference, and improving system stability and reliability.
- Power Supply: Provides 9-24V DC-JACK interface and DC-DC step-down circuit to power the entire device, simplifying power management.
- Expandability: Reserved HT3.96 interface allows users to add expansion devices to meet specific application needs, providing greater flexibility.
- Supports Multiple Protocols: Built-in W5500 full-hardware TCP/IP embedded Ethernet controller, supporting protocols including TCP, UDP, IPv4, etc.

Includes

- 1 x Module13.2 LAN
- 2 x HT3.96-4P Terminal
- 2 x HT3.96-4P Socket

Applications

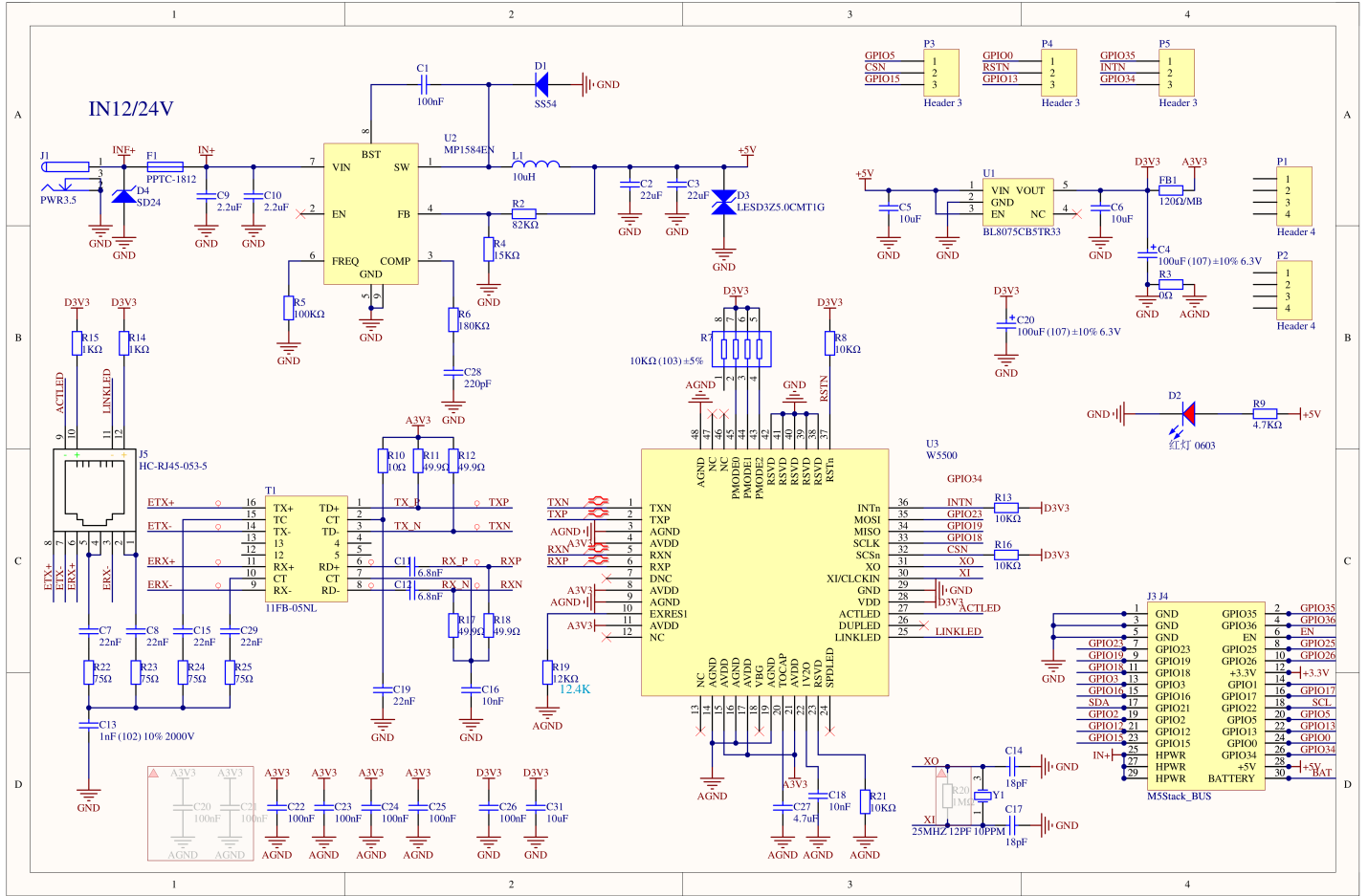
- Industrial Automation
- Internet of Things (IoT)
- Network Communication Equipment
- Data Acquisition and Remote Monitoring

Specifications

Specification	Parameter
Ethernet Controller	W5500
Network Port	RJ45 Auto-adaptive 10/100M
External Power Supply	9-24V
Operating Temperature	0-40°C
Communication Method	SPI
Product Size	54 x 54 x 13.2mm
Package Size	132 x 95 x 21mm
Product Weight	29.6g
Gross Weight	40.7g

Schematics

- [Module13.2 LAN Schematics PDF](#)



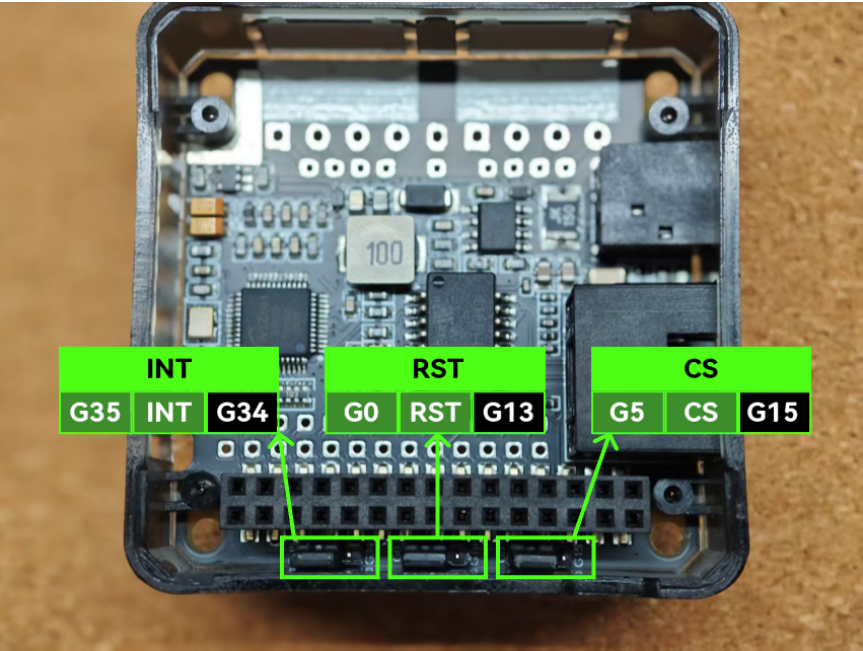
PinMap

M5-Bus

PIN	LEFT	RIGHT	PIN
GND	1	2	INTN(JC)
GND	3	4	
GND	5	6	
SPI_MOSI	7	8	
SPI_MISO	9	10	
SPI_SCLK	11	12	
	13	14	
	15	16	
SDA	17	18	SCL
	19	20	CSN(JC)
	21	22	RSTN(JC)
CSN(JC)	23	24	RSTN(JC)
HPWR	25	26	INTN(JC)
HPWR	27	28	5V
HPWR	29	30	

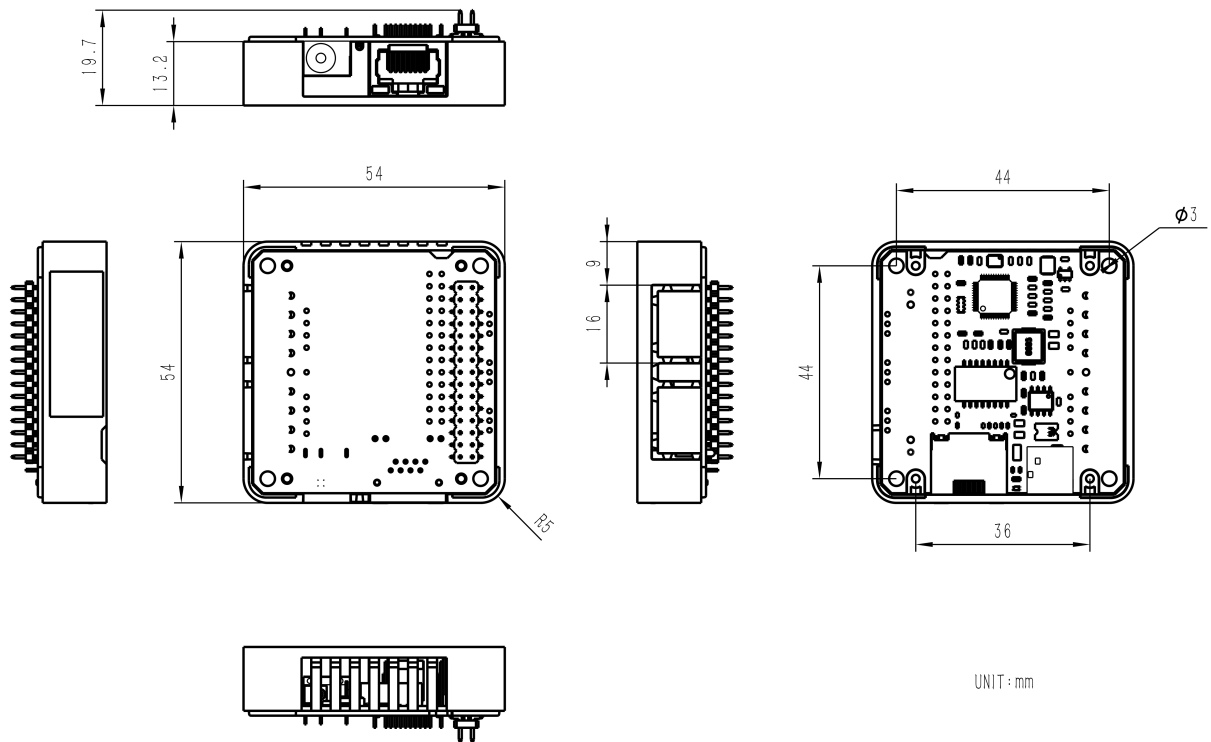
Pin Switching Note

The M5-Bus side of Module13.2 LAN provides 3 sets of jumper caps (pins marked with **JC** in the table above) that can be used to switch different IO connections.



Model Size

- Module13.2 LAN Model Size PDF



Datasheets

- [Datasheet - W5500](#)

Softwares

Arduino

- [Module13.2 LAN Arduino Library](#)
- [Module13.2 LAN HTTP Example](#)
- [Module13.2 LAN MQTT Example](#)
- [Module13.2 LAN WebServer Example](#)

UiFlow1

- [Module13.2 LAN UiFlow1 Docs](#)

UiFlow2

- [Module13.2 LAN UiFlow2 Docs](#)

Video

- [Module13.2 LAN Case Study](#)

