Rail-mount	Modbus Gateway	Multi Communications	Terminal Power in	RJ45 Ethernet (POE optional)
MQTT & JSON	Multi Host Support	Multi Features	Host/Webpage Config	Industrial Quality

RS485 TO ETH (B)

Common Ethernet port (B)

9 ~ 24V power supply, without isolation protection
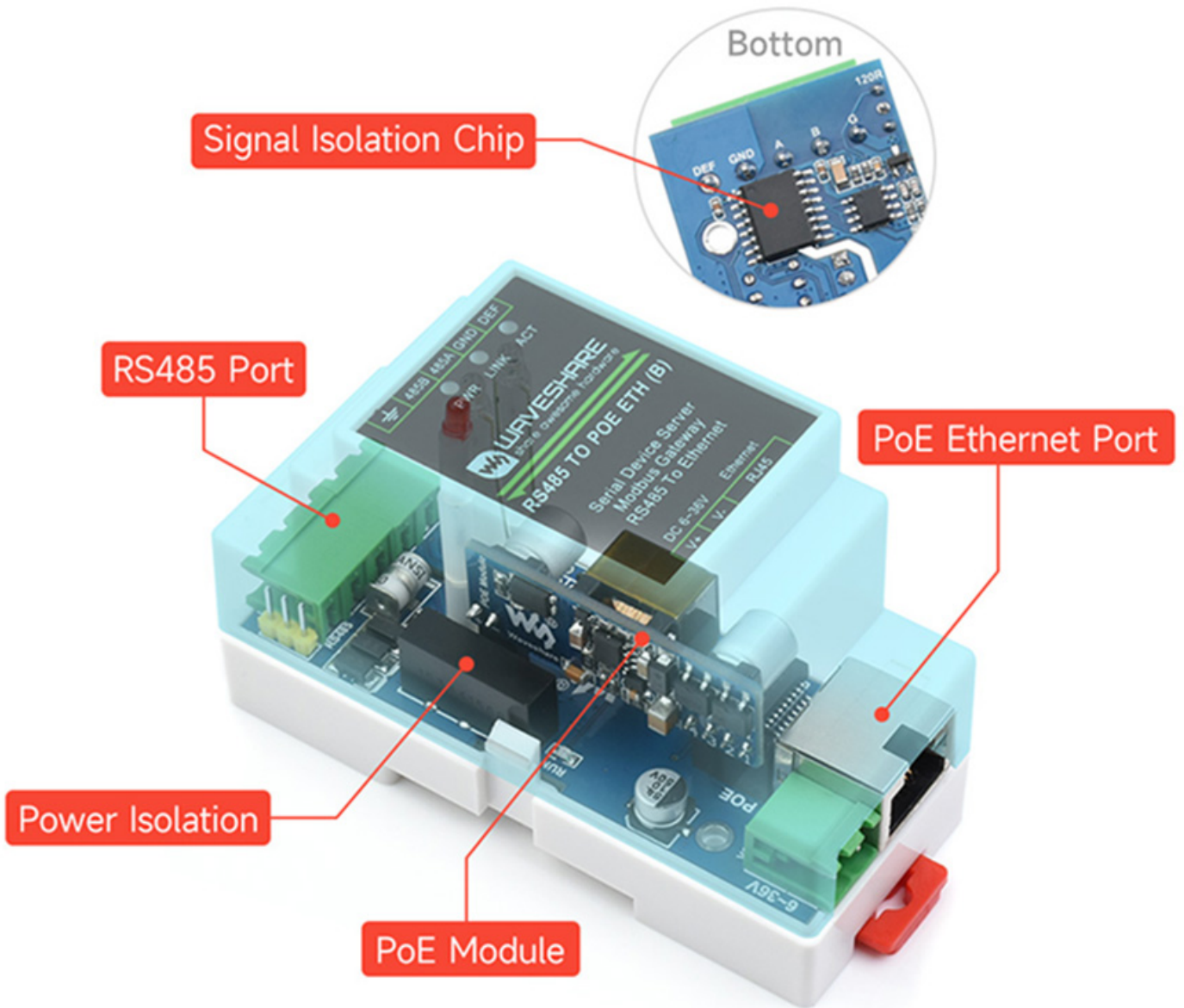
RS485 TO ETH (C)

Common Ethernet port (C)

6 ~ 36V power supply, with Electrical isolation

RS485 TO POE ETH (B)

PoE Ethernet port + Electrical isolation

The RS485 TO POE ETH (B) is the hardware upgrade version, supports PoE Ethernet port power supply, with power and signal isolation protection, which is safer for industrial applications. All three versions have the same software functionality.

Specifications

PRODUCT	RS485 TO ETH (B)	RS485 TO ETH (C)	RS485 TO POE ETH (B)	
Product Type	Serial server, Modbus Gateway, MQTT Gateway			
Basic Function	Bi-directional transparent data transmission between RS485 and Ethernet			
Communication interface	RS485 port x 1, Ethernet port x 1			
Power supply	9 ~ 24V DC screw terminal	6 ~ 36V DC screw terminal	6 ~ 36V DC screw terminal, or PoE port	
Isolation Protection	N/C	Power isolation, Signal isolation		
COMMUNICATION				
Ethernet	common network port		PoE network port, supports IEEE 802.3af standard	
	10 / 100M auto-negotiation RJ45 connector, 2 KV surge protection			
Serial port	RS485	Isolated RS485		
SERIAL SPECIFICATION				
Baudrate	300 ~ 115200 bps			
Parity bit	none, odd, even, mark, space			
Data bit	5 ~ 9 bits			
Flow control	N/A			
SOFTWARE				
Protocol	ETHERNET, IP, TCP, UDP, HTTP, ARP, ICMP, DHCP, DNS			
Configuration	host, web browser, device management functions library			
Communication method	TCP/IP direct communication, VCOM			
Operating mode	TCP server, TCP client (coexisting with TCP server), UDP, UDP multicast			
ENVIRONMENT REQUIREMENT				
Operating temperature	-40°C ~ 85°C			
Humidity range	5% ~ 95% relative humidity			
Dimensions	L × W × H: 87 × 36 × 59 mm			