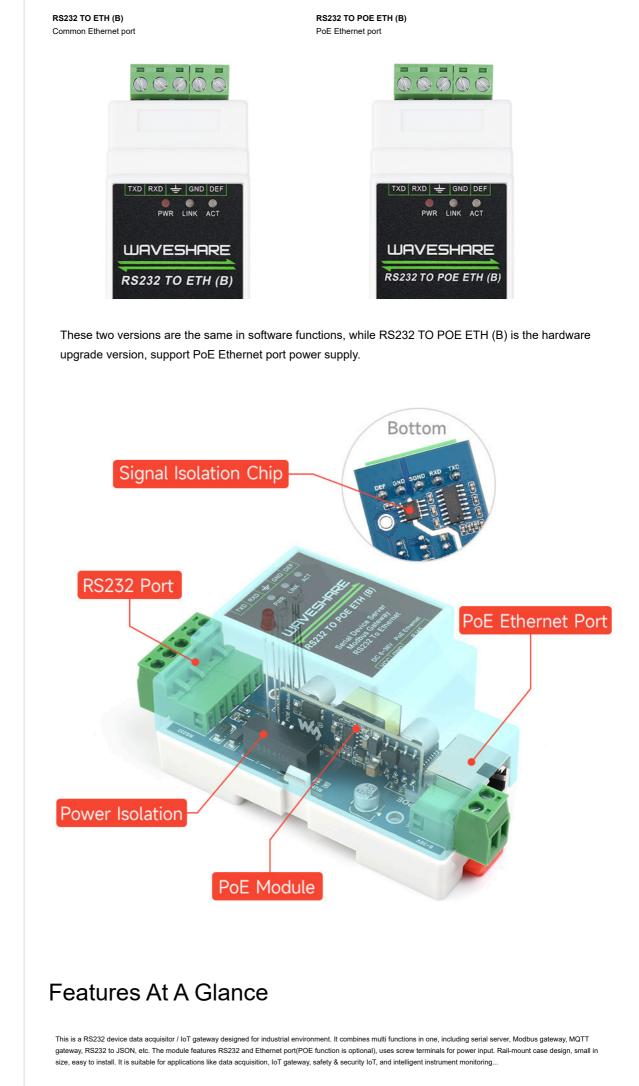




Version Options



Specifications

PRODUCT	RS232 TO ETH (B)	RS232 TO POE ETH (B)			
Product Type	Serial server, Modbus Gateway, MQTT Gatewa	ау			
Basic Function	Bi-directional transparent data transmission be	tween RS232 and Ethernet			
Communication interface	RS232 port x 1, Ethernet port x 1				
Power supply	6 ~ 36V DC screw terminal	6 ~ 36V DC screw terminal, or PoE port			
Isolation Protection	Power isolation, Signal isolation				
COMMUNICATION	'				
	common network port	PoE network port, support IEEE 802.3af standard			
Ethernet	10 / 100M auto-negotiation RJ45 connector, 2 KV surge protection				
Serial port	Isolated RS232				
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 set	erver), UDP, UDP multicast			
OTHERS					
Operating temperature	-40°C ~ 85°C				
Humidity range	5% ~ 95% relative humidity				
Dimensions	L × W × H: 87 × 36 × 59 mm				

Primary Function

Bi-Directional Transparent Data Transmission Between RS232 And Ethernet

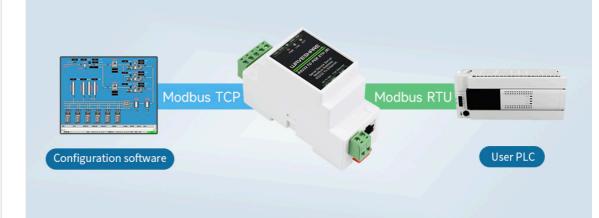


Rail-Mount Support

Easy To Combine Multi Rail-Mounted Serial Server Together, More Freely

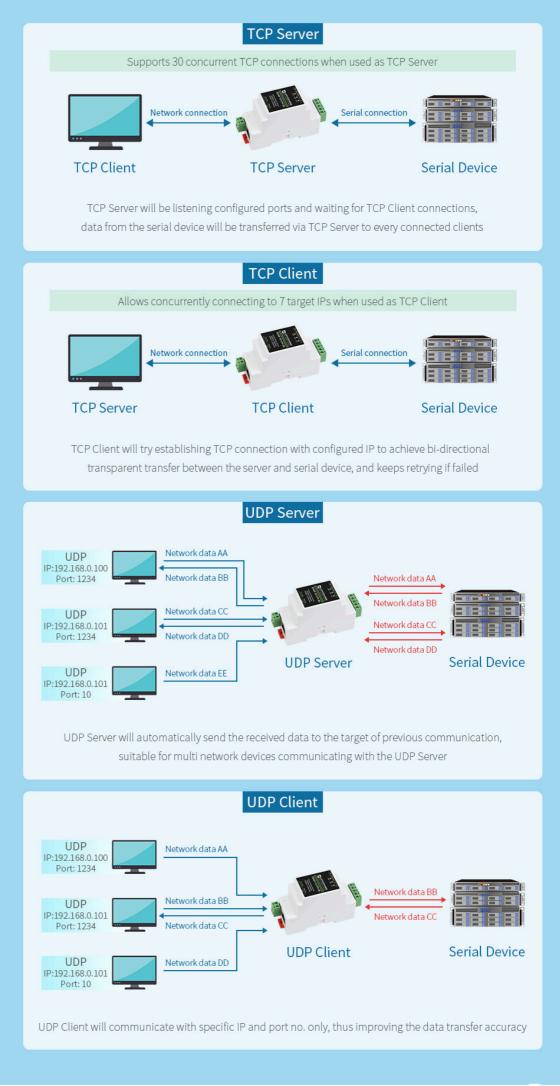


Suitable For Modbus Gridding Upgrade, Can Be Used With Specific Configuration Software



Multi Communication Modes

Supports TCP Server / TCP Client / UDP Mode / UDP Multicast



Online

MQTT/JSON To Modbus

More Flexible Conversion Between Different Protocols

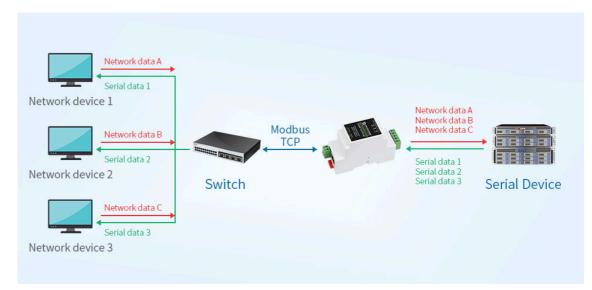


When used as MQTT gateway, the devices can upload serial data to MQTT server by MQTT protocol through transparent transmission, supported servers including Baidu Cloud MQTT, Alibaba Cloud MQTT, China Mobile OneNet, etc. The acquired Modbus RTU or non-standard serial data can be parsed into JSON format and packaged into MQTTdata packet for uploading.

When used as JSON data acquisition gateway, the devices can be connected to data acquisition instruments through RS232 connection, then acquire data automatically, convert the data into JSON format, and finally post it to server. The acquired data supports Modbus RTU 645 instrument 97 version, 645 instrument 07 version, as well as sorts of non-standard RS232 protocols. The uploaded data format can be configured via host, and the JSON upload protocol can be MQTT protocol, HTTP POST protocol, HTTP GET protocol, and so on.

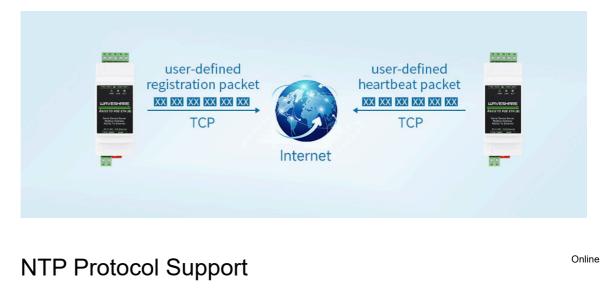
Multi Hosts Roll-Polling Support

Different Network Devices Will Be Identified And Responsed Respectively, No More Crosstalk Issue While Communicating With Multi Network Devices



User-Defined Heartbeat/Registration Packet

Easy For Cloud Communication And Device Identification

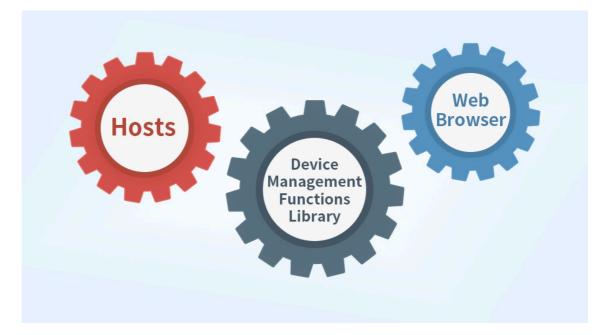


Getting Network Time Info For Serial Output Or Data Upload

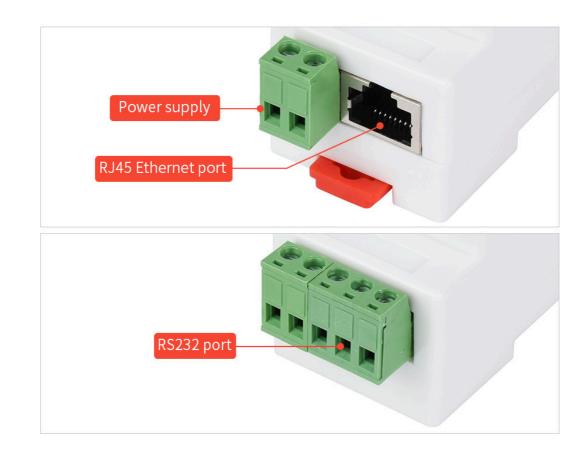


Multi Configuration Methods

Supports Web Browser Configuration, Obtaining Dynamic IP Via DHCP, DNS Protocol Connected Domain Server Address

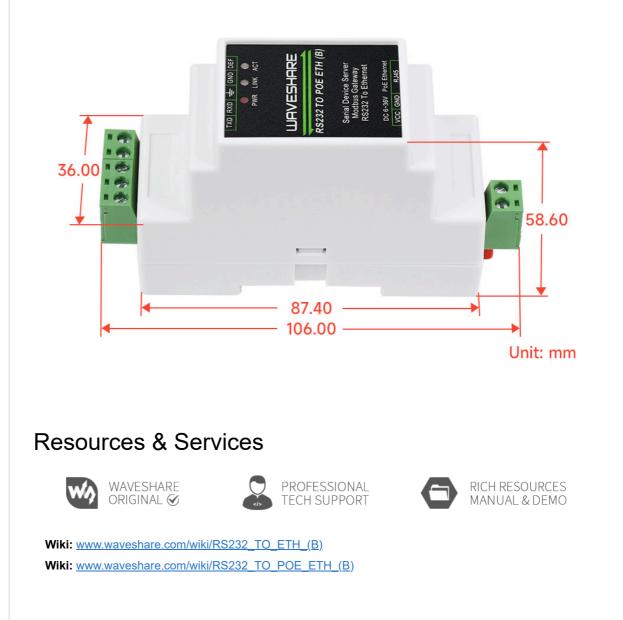


Interface Introduction



Product Show





Selection Guide

	RS485 TO ETH (B)	RS485 TO POE ETH (B)	RS232/485/422 TO ETH (B)	RS232/485/422 TO POE ETH (B)	2-CH RS485 TO ETH (B)	2-CH RS485 TO POE ETH (B)	RS232 RS485 TO ETH (B)	RS232 RS485 TO POE ETH (B)	4-CH RS485 TO ETH (B)	4-CH RS485 TO POE ETH (B)
Description	Common network port	PoE network port + Electrical isolation	Multi interfaces + common network port + Electrical isolation	Multi interfaces + PoE network port + Electrical isolation	2-Ch RS485 + Common network port + Electrical isolation	2-Ch RS485 + PoE network port + Electrical isolation	RS232 + RS485 + Common network port + Electrical isolation	RS232 + RS485 + PoE network port + Electrical isolation	4-Ch RS485 + Common network port + Electrical isolation	4-Ch RS485 + PoE network port + Electrical isolation
Product Type	Serial serv	er, Modbus Ga	iteway, MQTT Gateway							
Serial Port Type	Single seria	al port server	RS232/485/422 choos port server	e one, single serial	Dual serial po	rts server			4 serial ports	server
	Screw term	ninal								
Power Supply methods	-	PoE port	-	PoE port	-	PoE port	-	PoE port	-	PoE port
methods	-		DC 5.5 power port						-	
Voltage Range	DC 9~24V	DC 6~36V			DC 6~45V					
Isolation Protection	Without isolation	Power isolatio	on, Signal isolation							
COMMUNICATIO	N	1								
Ethernet	RJ45 network port	RJ45 with PoE support, IEEE 802.3af compliant	RJ45 network port	RJ45 with PoE support, IEEE 802.3af compliant	2-ch RJ45 network port	2-ch RJ45 with PoE support, IEEE 802.3af compliant	2-ch RJ45 network port	2-ch RJ45 with PoE support, IEEE 802.3af compliant	RJ45 network port	RJ45 with PoE support, IEEE 802.3af compliant
	10 / 100M	auto-negotiatio	n RJ45 connector, 2 K	/ surge protection						
Serial port	RS485	Isolated RS485	Isolated RS232/485/42 one interface can be u communication at the	sed for	2-ch Isolated I channels can transmit indep the same time	receive and endently at	Isolated RS23 RS485 (the 2 receive and tra independently time)	channels can ansmit	4-ch isolated F channels can transmit indep the same time	receive and endently at

Baudrate	300 ~ 115200 bps			
Parity bit	none, odd, even, mark, s	space		
Data bit	5 ~ 9 bits			
low control	N/A			
SOFTWARE				
Protocol	ETHERNET, IP, TCP, UD	P, HTTP, ARP, ICMP, DHCP, DNS	3	
Configuration	host, web browser, devic	e management functions library		
Communication method	TCP/IP direct communic	ation, VCOM		
Operating mode	TCP server, TCP client (coexisting with TCP server), UDP,	UDP multicast	
ENVIRONMENT Operating temperature	REQUIREMENT			
Operating		lity		