

Serial RS232, RS485, RS422 to Ethernet Converter with POE

Model number 23626



Default settings:

IP address: 192.168.1.200

Password: admin

Port: 4196

Mode: TCP Server

Baud rate: 115200

Stop bits: 1

Databits: 8

Flow control: None

Serial RS232, RS485, RS422 to Ethernet Converter with PoE and DIN Rail Support. Built for Engineers, by Engineers.

Bridge legacy systems with modern networks, reliably, efficiently, and intelligently.

At U.S. Converters LLC, we understand what engineers need in the field: rock-solid performance, ease of integration, and industrial durability. Our latest Serial to Ethernet Converter with PoE and DIN rail support delivers just that, a reliable solution designed to meet the demands of real-world applications.

This is a serial to Ethernet converter which supports all three serial types (RS232, RS485, RS422) designed for industrial environments and applications. It combines multiple functions in one, including serial server, Modbus gateway, MQTT gateway, RS232 / RS485 / RS422 to JSON.



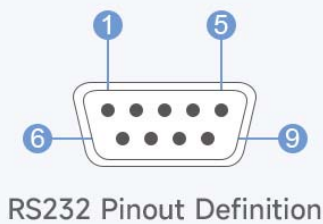
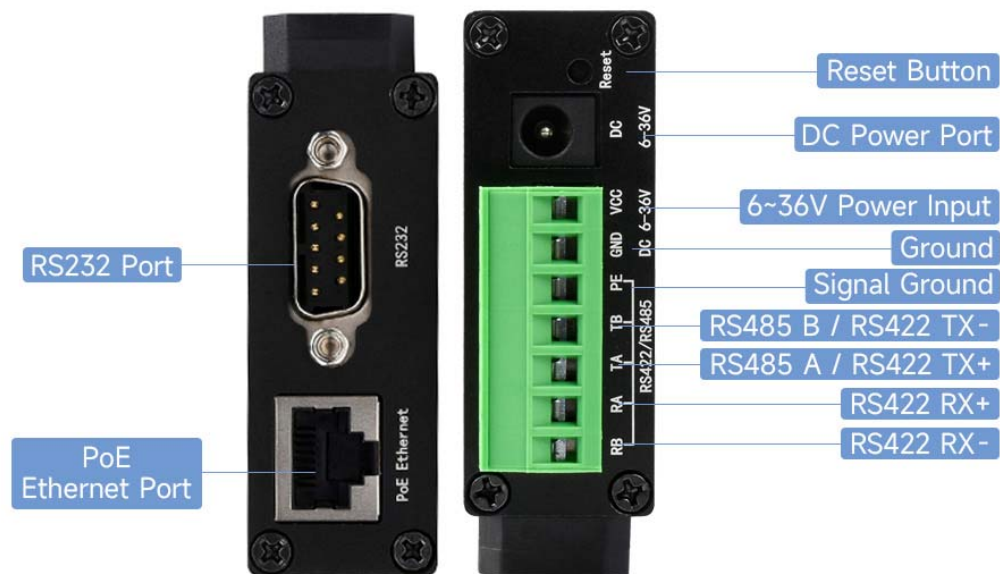
Basic functions

- Support TCP server, TCP client, UDP mode, and UDP multicast. When used as a TCP client, it also supports TCP server functions. It supports up to 30 TCP connections as a TCP server and 7 destination IPs as a TCP client.
- Baud rates from 1200 to 115200bps, data bit supports 5 - 9 bits, and parity bit: no parity, odd parity, even parity, mark, and space.
- Supports the function of sending MAC address on device connection, which is convenient for cloud management of devices.
- Provides a secondary development kit DLL development library for searching and configuring devices on the computer side.
- Support Web browser configuration, support DHCP to obtain IP dynamically, and DNS protocol to connect domain name server address.
- Supports cloud remote search for devices, configure device parameters, and upgrade device programs.
- Supports viewing the TCP connection status, and the data sending and receiving of the serial port. The virtual serial port also supports monitoring function.

Advanced functions

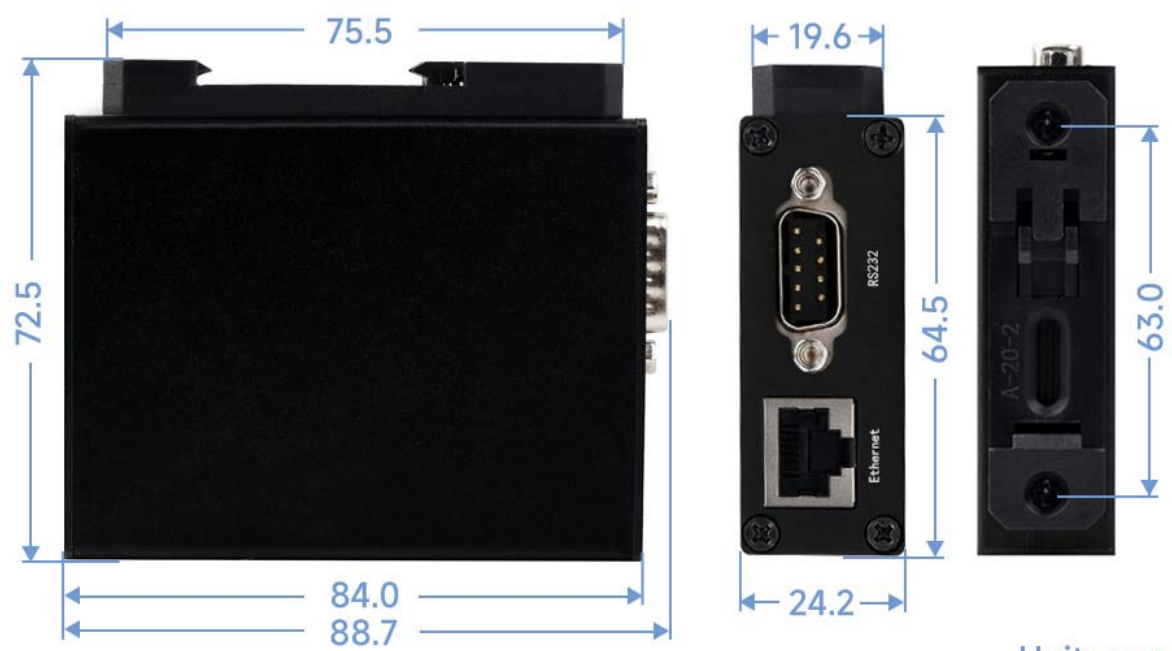
- Support Modbus gateway function and Modbus RTU to Modbus TCP. It can support storage-type Modbus, which can automatically collect and store device data; it also supports non-storage-mode Modbus gateways.

- Supports multi-host function: In the query mode of one question and one answer, it supports the network port to allow multiple computers to access the same serial port device at the same time.
- Supports MQTT gateway.
- Support JSON to Modbus RTU and 645-meter protocol, support upload data in HTTP POST, HTTP GET format.
- Supports NTP protocol to obtain network time, which is used for serial port output, and the latter is used for protocol content upload.
- Supports custom heartbeat package and registration package functions: it can facilitate communication with the cloud and device identification.
- Supports TCP required password authentication to establish a connection to ensure connection security.
- Support data transmission and delivery function with http, and the cloud can directly use the GET command of http to communicate with the serial port of the device.



RS232 Pinout Definition

RS232 PINOUT	
DB9 Male (PIN)	RS232 PIN
2	(RXD)
3	(TXD)
5	GND
1, 4, 6, 7, 8, 9	N/C



Unit: mm



Specifications	
Model number	23626
Operating system	Virtual COM software for: Windows 11 32/64-bit, Windows 10 32/64-bit
Power supply	Screw terminal DC 6~36V or PoE network port
POE standard	802.3af/at
Isolation Protection	Power isolation, signal isolation protection
Communication Interfaces	
Ethernet	PoE Ethernet port, support IEEE 802.3af standard 10/100M self-adaptive RJ45 interface, 2KV surge protection
Serial port	Isolated RS232, RS485, RS422
Serial Parameters	
Baud Rate	1200 - 115200 bps
Parity Bit	None, odd parity, even, mark, space
Data Bits	5, 6, 7, 8
Stop bits	1, 2
Flow Control	None, CTS/RTS, DSR/DTR, Xon/Xoff
Network	
Protocol	ETHERNET, IP, TCP, UDP, HTTP, ARP, ICMP, DHCP, DNS, Modbus TCP/RTU, MQTT
Configuration Method	PC configuration, WEB browser, device management function library
Communication Method	TCP/IP direct communication, virtual serial port mode
Max number of simultaneous client connections	Up to 30 TCP connections as TCP server and 7 destination IPs as a TCP client
Operating Mode	TCP server, TCP client (TCP server also coexist), UDP, UDP multicast
Other	
Operating Temperature	-40 - 85 °C
Humidity Range	5% - 95% relative humidity
Dimensions	88.7 x 64.5 x 24.2 mm
Approvals	CE, FCC, ROHS

Warranty	1 year Limited Warranty
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