

# Serial to Ethernet Converter

■ ■ ■ USR-TCP232-410s

## Serial-Ethernet converter access to Network

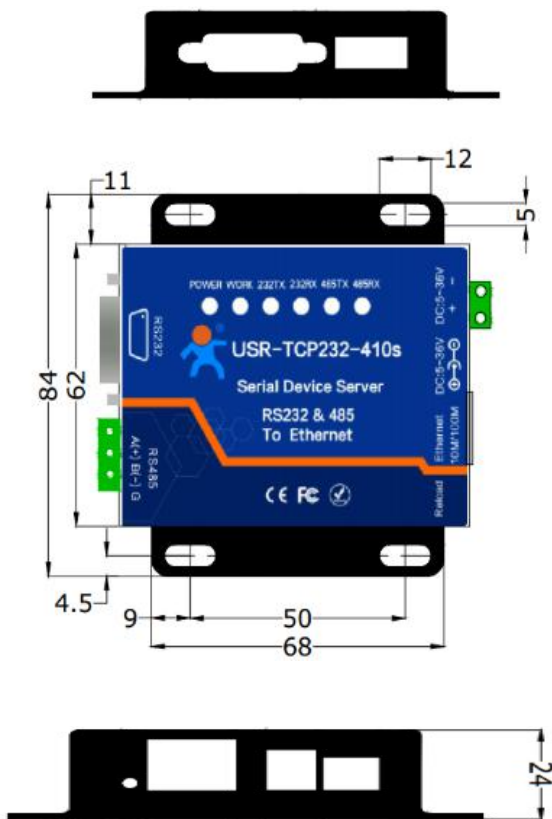
USR-TCP232-410s is an ultimate serial converter connect to RS232/RS485 based equipment across an ethernet network enable you to replace serial dial-up modem connection.

To realize two-way transparent transmission between COM and TCP/IP,manage COM on remote device over network.

To communicate to multiple serial devices at the same time across a LAN or WAN network.

■ ■ ■ RS232&RS485 to Ethernet

- Modbus Gateway function, support Modbus TCP to Modbus RTU in bi-directional
- Virtual COM ports connect PC/servers to remote serial devices over Ethernet
- Modbus Polling Function
- Hardware Flow control: RTS/CTS
- HTTPD Client and Websocket function available
- Both serial ports can be used individually at the same time.
- The global unique MAC address bought from IEEE, defined MAC address is available
- Wide voltage input 5 ~ 36V, more applications
- Support DNS & DHCP, automatically access IP
- Up to 8 simultaneous clients when act as TCP Server
- Reload button, a key restore default Settings



## Specifications

### System Information

Processor	Cortex-M4
Basic Frequency	120MHz
Flash	512K byte

### Ethernet

Port Number	1
Interface Standard	8 pin RJ45
Rate	10/100 Mbps auto-detection
Receive Buffer	Max 16k bytes buffer
Network Protocol	IP, TCP, UDP, DHCP, DNS, HTTP, ARP, ICMP Web socket, HTTPD Client

Protection	2KV electromagnetism isolation shell insulation blocking
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Auto MDI/MDIX	Yes
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### Serial

Ports	2-ports
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Interface	RS-232*1, 9-pin D-sub RS-485*1, 2 wire (A+, B-)
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Baud Rate	RS-232: 600 bps ~ 256K bps RS-485: 600 bps ~ 1024K bps
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Data Bits	5, 6, 7, 8
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Stop Bit	1, 1.5, 2
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Check Bit	None, Even, Odd, Space, Mark
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Flow Control	Hardware: RTS/CTS
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Buffer	Send and receive 2k bytes respectively
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Protection	RS-485: 2KV ESD, lightning protection
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Resistor	RS-485 Pull-up and Pull-Down: 2.2 KΩ
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### Software

Virtual Serial	Windows 2000 or higher (32 bit/64 bit)
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Configuration	Webpage/ Set-up software/ Serial command
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### Basic Parameter

Dimensions	90 x 84 x 25 mm (including shell and terminals)
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Operating Temp.	-40 ~ 85°C
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Storage Temp.	-40 ~ 85°C, 5 ~ 95% RH
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### Power

Input	DC 5 ~ 36V adapter or 5.08-2 terminal
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Working Current	90mA @ 5V <50mA @ 12V
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Consumption	<1W
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### Accessories

Power Adapter	5V1A power supply
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DB9 cable	Female to female serial cable
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### More

Certificate	CE, FCC, ROHS
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Warranty	2 years
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MTBF	100 thousand hours
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