

Serial to Ethernet Converter

■ ■ ■ USR-N510

Serial-Ethernet converter access to Network

USR-N510 is an ultimate serial converter connect to RS232/RS485/RS422 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&RS422 to Ethernet

- Modbus Gateway function, support modbus TCP to Modbus RTU in bi-direction, work as master/slave
- Virtual COM ports connect PC/servers to remote serial devices over Ethernet
- Up to 8 simultaneous clients when act as TCP Server
- Support network printing via IP address
- HTTPD Client and Websocket function available

- Two serial port, each port can be work as RS232/RS485/RS422 and can be used individually.

- Unique global MAC address, defined MAC address is available
- Support DNS & DHCP, automatically access IP
- One port corresponding to two socket
- Support Modbus Polling
- Reload button, a key restore default Settings
- Wide voltage input 5-36V
- Support Modbus TCP to Modbus ASCII

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, MDI/MDIX
Receive Buffer	Max 16k bytes buffer
Network Protocol	IP, TCP, UDP, DHCP, DNS, HTTP, ARP, ICMP, Websocket, HTTPD Client
Protection	2KV electromagnetism isolation shell insulation blocking
Auto MDI/MDIX	Yes

Serial

Ports	1-port
Interface	RS-232*1, 9-pin D-sub RS-485*1, 2 wire (A+, B-) RS422*1, (TX+/TX- RX+/RX-)
Baud Rate	RS-232: 600 bps ~ 230.4K bps RS-485: 600 bps ~ 1024K bps
Data Bits	5, 6, 7, 8
Stop Bit	1, 2
Check Bit	None, Even, Odd, Space, Mark
Flow Control	Hardware: RTS/CTS; Software: XON/XOFF
Buffer	Send and receive 2k bytes respectively
Protection	RS-485: 2KV ESD, lightning protection
Resistor	RS-485 Pull-up and Pull-Down: 2.2 KΩ

Software

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

Basic Parameter

Dimensions	84 x 81 x 25 mm (including shell and terminals)
Operating Temp.	-40 ~ 85°C
Storage Temp.	-40 ~ 85°C, 5 ~ 95% RH

Power

Input	DC 5 ~ 36V adapter or terminal pin
Working Current	90mA @5V
Consumption	<1W

Accessories

Power Adapter	5V1A power supply
Adapter	RS232 to RS485/RS422 convertor

More

Certificate	CE, FCC, ROHS
Warranty	2 years

RS232 / 485 / 422 Serial Port



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