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 corresponsiding to two socket

■ Support Modbus Polling

■ Reload button, a key restore default Settings

■ Wide voltage input 5-36V

RS232 / 485 / 422 Serial Port

RS232
Dial switch all down

RS485
Dial switch all up

RS422
Dial switch up on the left
Dial switch down on the right

Specifications	
System Information	
Processor	Cortex-M4
Basic Frequency	120MHz
Flash	512K byte
Ethernet	
Port Number	1
Interface Standard	8 pin RJ45
Rate	10/100 Mbpsauto-detection, MDI/MDIX
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
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