

# Serial to Ethernet Converter

■ ■ ■ USR-N580

## Serial-Ethernet converter access to Network

USR-N580 is an ultimate serial converter connect to 8 ports 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.

## ■ ■ ■ 8 RS485 ports to Ethernet

- Modbus Gateway function,support modbus TCP to Modbus RTU in bi-direction, modbus polling
- Virtual COM ports connect PC/servers to remote serial devices over Ethernet
- Flow control XON/XOFF
- Up to 8 simultaneous clients when act as TCP Server
- HTTPD Client and Websocket function available
- 8 x RS485 ports can be used individually.
- Wide voltage input 9~36V
- Support DNS & DHCP, automatically access IP
- One port corresponding to two socket
- Reload button, a key restore default Settings
- Support network printing via IP address
- Defined unique global MAC address is available
- 2xEthernet Ports, switch functions, cascade connection



## Specifications

### System Information

Processor	Arm Cortex-M7 Scheme
Basic Frequency	400MHz
RAM / Flash	1M / 128K+4M

### Ethernet

Port Number	2
Interface Standard	8 pin RJ45
Rate	10/100 Mbpsauto-detection, MDI/MDIX
Network Protocol	IP, TCP, UDP, DHCP, DNS, HTTP, ARP, ICMP Web socket, HTTPD Client
Protection	Electrostatic protection ESD: level 3 Anti-surge: level 3 Pulse group: level 3
Auto MDI/MDIX	Yes

### Serial

Ports	8-ports
Interface	RS-485*1, 2 wire (A+, B-)
Baud Rate	RS-485: 600 bps ~ 921.6K bps
Data Bits	5, 6, 7, 8
Stop Bit	1, 2
Check Bit	None, Even, Odd, Space, Mark
Flow Control	XON/XOFF
Net Buffer	48Kbytes
Protection	ESD: level 3, Anti-surge: level 3
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	222*122*35mm (including shell and terminals)
Operating Temp.	-40 ~ 85°C
Storage Temp.	-40 ~ 85°C, 5 ~ 95% RH

### Power

Input	DC 9 ~ 36V adapter or terminal pin
Working Current	120mA@12V

### Accessories

Power Adapter	12V power supply
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### More

Certificate	CE, FCC, ROHS
Warranty	2 years

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