

# Serial to Ethernet Converter

■ ■ ■ USR-N540

## Serial-Ethernet converter access to Network

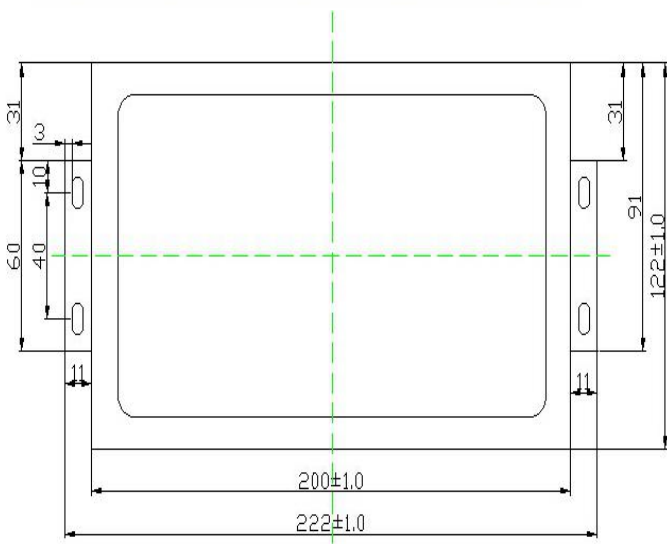
USR-N540 is an ultimate serial converter connect to RS232/RS485/RS422 based equipment across an ethernet network enable you to replace serial dial-up modem connection.

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
- Hardware flow control RTS/CTS
- Up to 8 simultaneous clients when act as TCP Server
- HTTPD Client and Websocket function available
- Serial port three-in-one, each port can be work as RS232/RS485/RS422 and can be used individually. Three port cant be used at one time
- Wide voltage input 9~24V
- Support Modbus Polling
- 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
- 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 Web socket, HTTPD Client
Protection	2KV electromagnetism isolation shell insulation blocking
Auto MDI/MDIX	Yes

### Serial

Ports	4-ports
Interface	RS-232*1, 9-pin D-sub RS-485*1, 2 wire (A+, B-) RS422*1, (A,B,Y,Z)
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
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	222 x 122 x 29 mm (including shell and terminals)
Operating Temp.	-40 ~ 85°C
Storage Temp.	-40 ~ 85°C, 5 ~ 95% RH

### Power

Input	DC 9 ~ 24V adapter or terminal pin
Working Current	53mA (43.7-45.1)@12V
Consumption	<1W

### Accessories

Power Adapter	12V power supply
Adapter	RS232 to RS485/RS422 convertor

### More

Certificate	CE, FCC, ROHS
Warranty	2 years

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