



Quick Start Guide

Ethernet TO RS232/422/485 Serial Converter MODEL USR-N540



1. Hardware Installation

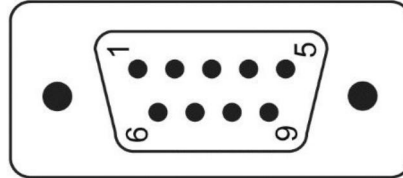
- Use a standard Ethernet cable to connect the USR-N540 to an Ethernet router or connect it directly to a PC.
- RS-232/422/485 can connect with a PC or other serial port device by serial cables



2. Serial Port

RS-232 DB9 Male Port

RS-485/422 Terminal header (Will provide connector)



| DB9 Pin | RS-232 | RS-422 | RS-485 Half Duplex |
|---------|--------|--------|--------------------|
| 1 | | | |
| 2 | RXD | RX+ | |
| 3 | TXD | TX- | Data- |
| 4 | | | |
| 5 | | Ground | |
| 6 | | | |
| 7 | RTS | TX+ | Data+ |
| 8 | CTS | RX- | |
| 9 | | | |

3. Software Installation

- Setup Software: <http://www.usriot.com/usr-tcp232-e45m4-config-protocol-v1-4/>
- Test: <http://www.usriot.com/usr-tcp-test-v1-3/>
- Install Virtual COM software- VCOM <http://www.usriot.com/p/2-ports-serial-device-servers/>

Note: Be sure you have administrative rights and disable any firewalls/anti-virus software when install software.

Serial Port Configuration

Serial
Baud rate: 600bps~230.4K bps;
Hardware flow control: RTS/CTS
Software flow control: XON/XOFF
Flexible packet of serial data

Flexible Shift Among RS232 / 485 / 422

work in RS232 mode by default;
please use adapter plate for RS422 or RS485 interface,
and select corresponding work mode in the software;
or manually adjust under dial switch mode

RS232
dial switch all down

RS485
dial switch all up

RS422
dial switch up on the left and down on the right

4. Configure USR-N540

- Assign a static IP address to your computer in the **192.168.0.2 to 192.168.0.254** range. Mask **255.255.255.0**.

This is necessary to ensure that your computer can communicate with your USR-N540.

- The **default IP address of USR-N540 is 192.168.0.7**

Open your web browser and enter this IP to connect to USR-N540 for configure.

Website: <http://www.usriot.com>

Email: sales@usriot.com

Support Center: <http://h.usriot.com>

| Default Parameters | |
|------------------------------|---------------|
| User Name | admin |
| Password | admin |
| IP address | 192.168.0.7 |
| Mask | 255.255.255.0 |
| Gateway | 192.168.0.1 |
| Work Mode of Port 1 | TCP Server |
| Local Port of Port 1 | 23 |
| Work Mode of Port 2 | TCP Server |
| Local Port of Port 2 | 26 |
| Work Mode of Port 3 | TCP Server |
| Local Port of Port 3 | 29 |
| Work Mode of Port 4 | TCP Server |
| Local Port of Port 4 | 32 |
| Baud Rate | 115200 |
| Parity bit/Data bit/Stop bit | None/8/1 |