1-Port Serial-to-IP Ethernet Device Server - RS232 - DIN Rail Mountable

**Product ID:** NETRS232



This 1-Port Serial Device Server lets you remotely access and manage an RS232 serial device over a local area network (LAN), for a simple and cost-effective serial-over-IP control solution.

For more control options, the device server is compatible with the free, StarTech.com  NETRSAPP. When coupled with the NETRS232, this handy application for iOS, Android, and Chrome Browser lets you build a custom serial control interface that's tailored to your specific application.

For installation flexibility across a variety of environments, you can power the device server using the provided 12V DC power adapter, or using the integrated 10~30V DC terminal block.

Plus, the device server is DIN rail mountable for out-of-the-way installations.

To help ensure reliable performance and prevent possible damage, the serial device server offers 15KV ESD (Electrostatic Discharge) protection, so you can rest assured that the device server won't become damaged due to externally generated ESD.

This highly-customizable device server is easy to configure to suit your application. For easy setup, Windows users can use the provided Virtual COM port software, or the versatile web-based interface.

The RS232 device server supports Telnet (an operating system independent communication protocol), so it can be integrated into mixed OS environments (Windows, Mac, Linux). Plus, it supports VCOM, TCP Server/Client, UDP, HTTP, DHCP, ICMP(PING), Static IP, and ARP protocols.

Download the StarTech.com serial control software from the Apple App Store, the Google Play Store, or the Chrome Web Store.

The NETRS232 is backed by a StarTech.com 2-year warranty and free lifetime technical support.

## Certifications, Reports and Compatibility

## Applications

• Integrate the cost-effective serial device server into mixed OS environments

• Manufacturing (CNC machinery, process control equipment, serial printers)

• Security (UPS control, access key panels, video cameras, card readers)

• Environmental control (lighting, temperature, clocks)

• POS (credit/debit card readers, receipt printers, cash registers, scales)

## Features

• A compact, cost-effective, serial-over-IP solution that includes a DIN rail mounting bracket

• Redundant and flexible power input using the included power adapter, or 10~30V DC terminal block input

• Safeguard your investment, with 15KV ESD (Electrostatic Discharge) protection

• Compatible with the free, StarTech.com Serial Device Application Software for iOS, Android, and Chrome Browser (NETRSAPP)

• Supports Telnet, for OS independent communication, perfect for Windows, Mac, and Linux users

• Supports VCOM, TCP Server, TCP Client, UDP, HTTP, DHCP, ICMP(PING), Static IP, ARP

• Configurable using the software utility (Windows only), or web browser

• Up to 230.4 Kbps baud rate

• Supports RS232 serial protocol

• Compliant with IEEE 802.3 and IEEE 802.3u standards

**Hardware**

| | |
|---|---|
| Warranty | 2 Years |
| Ports | 1 |
| Interface | Serial |
| Industry Standards | IEEE 802.3, IEEE 802.3u |

**Performance**

| | |
|---|---|
| Serial Protocol | RS-232 |
| Max Baud Rate | 230.4 Kbps |

| | |
|---|---|
| Data Bits | 5, 6, 7, 8 |
| Flow Control | RTS/CTS, None |
| Parity | None, Even, Odd, Space, Mark |
| Stop Bits | 1, 1.5, 2 |
| Remote Management Ability | Yes |
| Surge Protection | 15KV ESD (Electrostatic Discharge) Protection |
| Compatible Networks | 10/100 Mbps |
| Auto MDIX | Yes |
| Supported Protocols | VCOM, TCP Server, TCP Client, UDP, HTTP, DHCP, ICMP(PING), Static IP, ARP, Telnet |

**Connector(s)**

| | |
|---|---|
| Connector Type(s) | DB-9 (9 pin, D-Sub) |
| | RJ-45 |
| | Terminal Block (2 Wire) |

**Software**

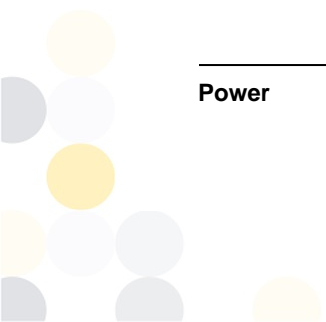| | |
|---|---|
| OS Compatibility | Windows 2000, XP, Vista, 7, 8, 8.1, 10 |
| | Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019 |
| | Linux |
| | Linux: The included software does not support Linux to emulate a local COM port. Linux users would need to use Telnet. |

**Indicators**

| | |
|---|---|
| LED Indicators | Power |
| | Tx |
| | Rx |
| | 10/100Mbps LAN |
| | Link/Activity |

**Power**

| Power Source | AC Adapter Included |
|---|---|
| Input Voltage | 100 - 240 AC |
| Input Current | 0.5 A |
| Output Voltage | 12V DC |
| Output Current | 1.2 A |
| Center Tip Polarity | Positive |
| Plug Type | H |
| Power Consumption (In Watts) | 14.4 |

**Environmental**

| Operating Temperature | 0C to 60C (32F to 140F) |
|---|---|
| Storage Temperature | -10C to 70C (14F to 158F) |
| Humidity | 0~90% RH |

**Physical Characteristics**

| Color | Black |
|---|---|
| Material | Plastic |
| Product Length | 3.7 in [95.0 mm] |
| Product Width | 2.2 in [55.0 mm] |
| Product Height | 0.9 in [22.0 mm] |
| Weight of Product | 2.4 oz [68.0 g] |

**Packaging Information**

| Package Length | 6.9 in [17.5 cm] |
|---|---|
| Package Width | 6.3 in [15.9 cm] |
| Package Height | 3.0 in [76.0 mm] |
| Shipping (Package) Weight | 15.7 oz [444.0 g] |

**What's in the Box**

| Included in Package | Serial over IP Device Server |
| --- | --- |
| | DIN Rail Kit |
| | Terminal Block |
| | Universal power adapter: comes ready for NA/EU/UK only when you buy in NA/EU/UK; comes ready for Australia and New Zealand only when you buy in Australia and New Zealand |
| | Software CD |
| | Instruction Manual |

*\*Product appearance and specifications are subject to change without notice.*