2-Port Serial-to-IP Ethernet Device Server - RS232 - Metal and Mountable

StarTech ID: NETRS2322P

This 2-port serial device server is a cost-effective way to remotely connect to and manage two serial devices over your typical IP network. The device server integrates two RS232 ports into a rugged metal housing with an extended operating temperature range, so it's perfect for factory and industrial settings.

Flexible installation, in a range of environments

If you're looking for a reliable serial-over-IP control solution, then this device server can help. With a rugged metal housing and an extended operating temperature range, you can rest assured that the device server can deliver the reliable performance you need, even in harsh environments.

Plus, it features two integrated mounting brackets, so you can mount the device server to a surface or a wall as needed, for out-of-the-way installations.

Backup power keeps your devices connected

With redundant power input, this dual-port serial device server ensures seamless operation, even in the event of power dips or failures. It features a wide-range, terminal block power input (9~36V DC), and includes a universal power adapter.

Because it features two power inputs, if you experience a power disruption the device server automatically switches to its secondary power source. With redundant power input, the device server remains operational if one of the power sources fails, so you can continue to connect to and manage your serial devices when needed.

Completely customizable

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, ICMP, IP, TCP, UDP, DHCP, and BOOTP protocols.

The NETRS2322P is backed by a StarTech.com 2-year warranty and free lifetime technical support.

Applications

- Integrate into industrial, warehouse, or factory environments that are subject to harsh conditions and large temperature variances
- Fasten to a wall or desk, using the integrated mounting brackets
- Ideal for settings where critical equipment requires continuous power, with two power inputs
- Use with CNC machinery and process control equipment, as well as environmental control, and point-of-sale (POS) devices

Features

- Two RS232 (DB9) serial ports, integrated into a durable, metal housing that's ideal for industrial environments
- Built-in mounting brackets let you easily install the device server to a wall or surface
- Redundant power input using the provided power adapter, or 9~36V DC terminal block input
- Extended operating temperature range — 0°C to 85°C (32°F to 185°F)
- Up to 460.8Kbps serial baud rate
- Remote management and customization using the provided Windows based VCOM software or the Web interface
- Supports Telnet, ICMP, IP, TCP, UDP, DHCP and BOOTP protocols
- 15kV Air and 8kV contact ESD (Electrostatic Discharge) Protection
- 10/100Mbps RJ45 port that supports IEEE 802.3 (10BASE-T) and IEEE 802.3u (100BASE-TX) protocols

Technical Specifications

Warranty	2 Years
Industry Standards	IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX
Interface	Serial
Ports	2
Auto MDIX	Yes
Auto-Negotiation	Yes
Compatible Networks	10/100 Mbps
Data Bits	7, 8
Flow Control	XON/XOFF, RTS/CTS, None
Full Duplex Support	Yes
Isolation	2500 Vrms
Max Baud Rate	460.8 Kbps
Parity	None, Even, Odd, Space, Mark
Remote Management Ability	Yes
Serial Protocol	RS-232
Supported Protocols	ICMP, IP, TCP, UDP, DHCP, BOOTP, Telnet
Surge Protection	ESD (Electrostatic Discharge) Protection: 15kV Human Body Model (HBM) 15kV IEC1000-4-2 Air 8kV IEC1000-4-2 Contact
Connector Type(s)	2 - DB-9 (9 pin; D-Sub) Male
Connector Type(s)	1 - RJ-45 Female
Connector Type(s)	1 - Terminal Block (2 Wire)
OS Compatibility	**Virtual COM software - Windows® Only:** Windows 10 (32-bit or 64-bit), 8 / 8.1 (32-bit or 64-bit), 7 (32-bit or 64-bit), Vista (32-bit or 64-

bit)
Windows Server® 2012, 2008 R2

Note: The device server's hardware is compatible with Mac OS and Linux®; however, the provided Virtual COM software is not compatible with these operating systems.
When used with a Mac or Linux operating system, the device server can only be configured using the Web-GUI.

LED Indicators	2 - Status
LED Indicators	2 - Port 1
LED Indicators	2 - Port 2
LED Indicators	1 - 10/100Mbps LAN
LED Indicators	1 - Link / Activity
Center Tip Polarity	Positive
Input Current	1.5 A
Input Voltage	100 ~ 240 AC
Output Current	3 A
Output Voltage	12 DC
Power Consumption	36 W Max
Power Source	AC Adapter Included
Humidity	20~80% RH (Non-condensing)
Operating Temperature	0°C to 85°C (32°F to 185°F)
Storage Temperature	-45°C to 130°C (-49°F to 266°F)
Color	Black
Enclosure Type	Steel
Product Height	1 in [25 mm]
Product Length	4.4 in [113 mm]
Product Weight	10.9 oz [310 g]
Product Width	3.1 in [80 mm]
Shipping (Package) Weight	23.7 oz [670 g]
Included in Package	1 - 2-port serial device server
Included in Package	1 - terminal block (2-wire)

Included in Package	1 - universal power adapter (NA/EU/UK/AU)
Included in Package	1 - software CD
Included in Package	1 - quick start guide

Certifications, Reports and Compatibility