

## 1 Port Industrial RS-232 / 422 / 485 Serial to IP Ethernet Device Server - 2x 10/100Mbps Ports

**Product ID:** NETRS232485



This industrial serial device server lets you remotely manage a RS232/422/485 serial device over a local or wide area network (LAN/WAN), with redundant power inputs and dual 10/100Mbps Ethernet ports.

For more control options, the device server is compatible with the free, StarTech.com Serial Device Application Software (NETRSAPP). When coupled with the NETRS232485, this handy application for iOS, Android, and Chrome Browser lets you build a custom serial control interface that's tailored to your specific application.

To minimize downtime, this intuitive dual Ethernet serial over IP solution maintains connection to your critical equipment by automatically switching to its secondary LAN port within 10 milliseconds of a network failure or disruption.

Ideal for industrial environments, the serial to Ethernet device server accepts wide-range 12-48V DC power input via a terminal block or an optional DC jack, enabling you to add redundant power with a secondary adapter (e.g. 12V DC 1.5A Power Adapter SKU: IM12D1500P - sold separately), keeping the device server functional in the event of power surges or failures.

This device server supports baud rates up to 460.8Kbps which provides a smooth, high-speed connection to your serial devices. The device server also offers support for HTTPS, SSH and SSL to ensure secure communication, while integrating remote Telnet configuration and support for IP, HTTP, ICMP, DHCP, TCP and UDP protocols. You can customize the serial device server to suit your application with versatile browser-based or virtual com port software configuration.

Ensuring performance in harsh environments, this serial device server offers 8KV air, and 4KV contact ESD (Electrostatic Discharge) Protection, and features a rugged, IP-30 case design that is both DIN rail and wall-mountable, with an extended operating temperature range (-40C to 70C).

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

Backed by a 5-year StarTech.com warranty and free lifetime technical support.

## Certifications, Reports and Compatibility

### Applications

- Factory or warehouse environments subject to harsh conditions and large temperature variances
- Industrial locations where critical equipment requires backup power and LAN connections
- 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

- Redundant dual Ethernet ports with < 10ms recovery time
- Up to 460.8 Kbps baud rate
- IP-30 industrial casing and extended operating temperature range
- Redundant power input via 12-48V DC terminal block, or optional 12V DC power adapter
- Compatible with the free, StarTech.com Serial Device Application Software for iOS, Android, and Chrome Browser (NETRSAPP)
- Supports RS232, RS422 and RS485 serial protocols
- Supports ICMP, IP, TCP, UDP, DHCP, BOOTP, ARP/RARP, DNS, SNMP MIB II
- SSL, SSH, and HTTPS data encryption and security protocols
- Wall or DIN rail mountable
- Configurable via software utility, or web browser
- 8KV air, and 4KV contact ESD (Electrostatic Discharge) Protection
- Simultaneous connection with up to five host devices

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#### Hardware

Warranty	5 Years
Ports	1



Interface	Serial
Industry Standards	IEEE 802.3, IEEE 802.3u

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**Performance**

Maximum Data Transfer Rate	460.8 Kbps
Serial Protocol	RS-232/422/485
Max Baud Rate	460.8 Kbps
Data Bits	5, 6, 7, 8
Flow Control	XON/XOFF, RTS/CTS, DTR/DSR
Parity	Odd, Even, None, Mark, Space
Stop Bits	1, 1.5, 2
Remote Management Ability	Yes
Compatible Networks	10/100 Mbps
Auto MDIX	Yes
Security Features	128-bit SSL Encryption
MTBF	533,615 Hours
Supported Protocols	ICMP, IP, TCP, UDP, DHCP, BOOTP, SSH, DNS, SNMP V1/V2c, HTTPS, SMTP, SSL, PPPoE, DDNS

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**Connector(s)**

Connector Type(s)	DB-9 (9 pin, D-Sub)
	RJ-45
	Terminal Block (3 Wire)

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**Software**

OS Compatibility	Windows XP, Vista, 7, 8
	Windows Server 2003, 2008 R2, 2012, 2016

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**Indicators**

LED Indicators	Power
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Ethernet Link

TX/RX

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**Power**

Power Source Terminal Block

Input Voltage 12 ~ 48 DC

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**Environmental**

Operating Temperature -40C to 70C (-40F to 158F)

Storage Temperature -40C to 85C (40F to 185F)

Humidity 5~95% RH (Non-Condensing)

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**Physical Characteristics**

Color Black

Material Steel

Product Length 2.8 in [72 mm]

Product Width 5.0 in [12.7 cm]

Product Height 1.2 in [31 mm]

Weight of Product 11.6 oz [329 g]

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**Packaging Information**

Package Length 7.8 in [19.8 cm]

Package Width 6.0 in [15.3 cm]

Package Height 1.9 in [48 mm]

Shipping (Package) Weight 17.8 oz [504 g]

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**What's in the Box**

Included in Package Serial Device Server

DIN-Rail Kit

Wall-Mount Kit w/ Screws



Software CD

Installation Guide

RJ-45 Dust Covers

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

