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

StarTech ID: NETRS232485

The NETRS232485 Serial Device Server lets you remotely manage an industrial RS232/422/485 serial device over a local or wide area network (LAN/WAN), with redundant power inputs and dual 10/100Mbps Ethernet ports.

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 (-40°C to 70°C).

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

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
- 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

Technical Specifications

Warranty	5 Years
Industry Standards	IEEE 802.3, IEEE 802.3u
Interface	Serial
Ports	1
Connector Type(s)	1 - DB-9 (9 pin; D-Sub) Male
Connector Type(s)	2 - RJ-45 Female
Connector Type(s)	1 - Terminal Block (3 Wire)
Auto MDIX	Yes
Compatible Networks	10/100 Mbps
Data Bits	5, 6, 7, 8
Flow Control	XON/XOFF, RTS/CTS, DTR/DSR
Max Baud Rate	460.8 Kbps
Maximum Data Transfer Rate	460.8 Kbps
MTBF	533,615 Hours
Parity	Odd, Even, None, Mark, Space
Remote Management Ability	Yes
Security Features	128-bit SSL Encryption
Serial Protocol	RS-232/422/485
Stop Bits	1, 1.5, 2
Supported Protocols	ICMP, IP, TCP, UDP, DHCP, BOOTP, SSH, DNS, SNMP V1/V2c, HTTPS, SMTP, SSL, PPPoE, DDNS
OS Compatibility	Windows® 8 (32/64bit), 7 (32/64), Vista (32/64), XP (32/64) Windows® Server 2012, 2008 R2, 2003 (32/64)
Color	Black
Enclosure Type	Steel
Product Height	31 mm [1.2 in]
Product Length	72 mm [2.8 in]
Product Weight	329 g [11.6 oz]
Product Width	127 mm [5 in]
LED Indicators	2 - Power
LED Indicators	2 - Ethernet Link
LED Indicators	1 - TX/RX
Input Voltage	12 ~ 48 DC
Power Adapter Included	Terminal Block
Humidity	5~95% RH (Non-Condensing)
Operating Temperature	-40°C to 70°C (-40°F to 158°F)
Storage Temperature	-40°C to 85°C (40°F to 185°F)

Shipping (Package) Weight	504 g [17.8 oz]
Included in Package	1 - Serial Device Server
Included in Package	1 - DIN-Rail Kit
Included in Package	1 - Wall-Mount Kit w/ Screws
Included in Package	1 - Software CD
Included in Package	1 - Installation Guide
Included in Package	2 - RJ-45 Dust Covers

Certifications, Reports and Compatibility