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

Product ID: NETRS42348PD

The PoE-powered NETRS42348PD 4-Port Industrial Serial Device Server lets you remotely manage up to four industrial RS232/422/485 serial devices 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 through a PoE RJ45 port. Redundant power inputs keep the device server functional in the event of power surges or failures, and when used with a PoE-capable switch or injector, the serial device server can be conveniently installed in locations where terminal block power is unavailable.

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 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.

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

Certifications, Reports and Compatibility

RoHS & REACH
DOWNLOAD DECLARATION

CE

FC

TAA COMPLIANT

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 power input via Power over Ethernet, or 12-48V DC terminal block
- Redundant dual Ethernet ports with < 10ms recovery time
- Up to 460.8 Kbps baud rate
- IP-30 industrial casing
- 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
- 1KV isolation on PoE port
- Simultaneous connection with up to five host devices

Hardware	Warranty	5 Years
	Industry Standards	IEEE 802.3, IEEE 802.3u IEEE 802.3af PoE
	Interface	Serial
	Ports	4
Performance	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	569,972 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
Connector(s)	Connector Type(s)	4 - DB-9 (9 pin, D-Sub) Male
		2 - RJ-45 Female
		1 - Terminal Block (6 Wire)
Software	OS Compatibility	Windows® XP, Vista, 7, 8, 8.1, 10 Windows Server® 2003, 2008 R2, 2012, 2016, 2019
Special Notes / Requirements	Patents and Licenses	The following patents are licensed for this product. This list might not be all inclusive. • United States Patent No. 5,406,260 (expired) • United States Patent No. 6,650,622 • United States Patent No. 7,457,250 • United States Patent No. 8,155,012 • United States Patent No. 8,902,760 • United States Patent No. 8,942,107 • United States Patent No. 9,019,838 • United States Patent No. 9,049,019 • United States Patent Application No. 14/695,456 • United States Patent Application No. 14/726,940
Indicators	LED Indicators	1 - PoE

		2 - Power
		1 - Fault
		4 - Serial
		2 - Ethernet Link
Power	Input Voltage	12 ~ 48 DC
	Power Source	Terminal Block
Environmental	Humidity	5~95% RH (Non-Condensing)
	Operating Temperature	-10°C to 70°C (14°F to 158°F)
	Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Physical Characteristics	Color	Black
	Enclosure Type	Steel
	Product Height	5.7 in [14.4 cm]
	Product Length	8.8 in [22.4 cm]
	Product Width	8.3 in [21 cm]
	Weight of Product	25.8 oz [730 g]
Packaging Information	Package Height	3.6 in [92 mm]
	Package Length	9.3 in [23.7 cm]
	Package Width	7.3 in [18.6 cm]
	Shipping (Package) Weight	29.3 oz [830 g]
What's in the Box	Included in Package	1 - Serial Device Server
		1 - DIN-Rail Kit
		1 - Wall-Mount Kit w/ Screws
		2 - RJ-45 Dust Covers
		1 - Installation Guide
		1 - Software CD

Product appearance and specifications are subject to change without notice.