

1 Port Industrial RS-232 / 422 / 485 Serial to IP Ethernet Wireless Device Server with Redundant Power

Product ID: NETRS232485W



The wireless serial over IP device server lets you remotely access and manage an industrial serial device over a WiFi or wired network, with the added benefit of redundant power inputs to prevent downtime in the event of a power surge or failure.

For more control options, the device server is compatible with the free, StarTech.com (NETRSAPP). When coupled with the NETRS232485W, 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 eliminate the hassle of laying additional Ethernet cable, this wireless device server lets you connect your RS232/422/485 serial device in a location where a wired network connection is unavailable, with support for 802.11 B/G WiFi connections and a 10/100Mbps wired network port for added flexibility.

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).

This device server supports baud rates up to 230.4Kbps which provides a smooth connection to your serial devices. The 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.

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

Backed by a 3-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
- 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

- Compliant with IEEE 802.11b/g standards, with support for up to 54Mbps of wireless data bandwidth
- Redundant power input via 12-48V DC terminal block, or optional 12V DC power adapter
- IP-30 industrial casing
- Compatible with the free, StarTech.com Serial Device Application Software for iOS, Android, and Chrome Browser (NETRSAPP)
- Up to 230.4 Kbps baud rate
- Supports RS232, RS422 and RS485 serial protocols
- Supports ICMP, IP, TCP, UDP, DHCP, BOOTP, SSH, DNS, SNMP V1/V2c, HTTPS, SMTP, SSL, PPPoE, DDNS
- 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

Hardware

Warranty	3 Years
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Ports	1
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Interface	Serial
Antenna Configuration	2dBi
Industry Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.11b, IEEE 802.11g

Performance

Maximum Data Transfer Rate	230.4 Kbps
Serial Protocol	RS-232/422/485
Max Baud Rate	230.4 Kbps
Data Bits	5, 6, 7, 8
Flow Control	XON/XOFF, RTS/CTS, DTR/DSR
Parity	Odd, Even, None, Mark, Space
Remote Management Ability	Yes
Compatible Networks	10/100 Mbps
Auto MDIX	Yes
Frequency	2.4 Ghz
Security Features	128-bit SSL Encryption WEP Data Encryption WPA Data Encryption TKIP
Supported Protocols	CSMA/CA ICMP, IP, TCP, UDP, DHCP, BOOTP, SSH, DNS, SNMP V1/V2c, HTTPS, SMTP, SSL, PPPoE, DDNS

Connector(s)

Connector Type(s)	DB-9 (9 pin, D-Sub) RJ-45 Terminal Block (3 Wire) RP-SMA (Coax, Reverse Polarity SubMiniature A)
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Software

OS Compatibility	Windows XP, Vista, 7, 8
	Windows Server 2003, 2008 R2, 2012, 2016, 2019

Indicators

LED Indicators	Power
	Ethernet Link
	Wireless LAN Link
	TX/RX

Power

Power Source	Terminal Block
Input Voltage	12 ~ 48 DC

Environmental

Operating Temperature	-10C to 65C (14F to 149F)
Storage Temperature	-40C to 85C (-40F to 185F)
Humidity	5~95% RH (Non-Condensing)

Physical Characteristics

Color	Black
Material	Steel
Product Length	8.8 in [22.4 cm]
Product Width	6.8 in [17.3 cm]
Product Height	4.2 in [10.7 cm]
Weight of Product	12.2 oz [346.0 g]

Packaging Information

Package Length	11.0 in [27.9 cm]
Package Width	9.2 in [23.4 cm]
Package Height	5.0 in [12.6 cm]

Shipping (Package) 15.9 oz [450.0 g]
Weight

What's in the Box

Included in Package	Serial Device Server
	2dBi Antenna
	DIN-Rail Kit
	Wall-Mount Kit w/ Screws
	Installation Guide
	Software CD
	RJ-45 Dust Cover

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