

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

StarTech ID: NETRS232485W



The NETRS232485W 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.

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.

Backed by a 3-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
- 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
- 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

Technical Specifications

Warranty	3 Years
Antenna Configuration	2dBi
Industry Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.11b, IEEE 802.11g
Interface	Serial
Ports	1
Connector Type(s)	1 - DB-9 (9 pin; D-Sub) Male
Connector Type(s)	1 - RJ-45 Female
Connector Type(s)	1 - Terminal Block (3 Wire)
Connector Type(s)	1 - RP-SMA (Coax; Reverse Polarity SubMiniature A) Female
Auto MDIX	Yes
Compatible Networks	10/100 Mbps
Data Bits	5, 6, 7, 8
Flow Control	XON/XOFF, RTS/CTS, DTR/DSR
Frequency	2.4 Ghz
Max Baud Rate	230.4 Kbps
Maximum Data Transfer Rate	230.4 Kbps
Parity	Odd, Even, None, Mark, Space
Remote Management Ability	Yes
Security Features	128-bit SSL Encryption
Security Features	TKIP
Security Features	WEP Data Encryption
Security Features	WPA Data Encryption
Serial Protocol	RS-232/422/485
Supported Protocols	CSMA/CA 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	107 mm [4.2 in]
Product Length	224 mm [8.8 in]
Product Weight	346 g [12.2 oz]
Product Width	173 mm [6.8 in]
LED Indicators	2 - Power
LED Indicators	1 - Ethernet Link
LED Indicators	1 - Wireless LAN Link

LED Indicators	1 - TX/RX
Input Voltage	12 ~ 48 DC
Power Adapter Included	Terminal Block
Humidity	5~95% RH (Non-Condensing)
Operating Temperature	-10°C to 65°C (14°F to 149°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Shipping (Package) Weight	450 g [15.9 oz]
Included in Package	1 - Serial Device Server
Included in Package	1 - 2dBi Antenna
Included in Package	1 - DIN-Rail Kit
Included in Package	1 - Wall-Mount Kit w/ Screws
Included in Package	1 - Installation Guide
Included in Package	1 - Software CD
Included in Package	1 - RJ-45 Dust Cover

Certifications, Reports and Compatibility

