

NPort W2004

4-port Wireless Serial Device Servers



Features

- Link any serial device to an IEEE802.11b/g network
- 4 RS-232/422/485 ports, at up to 460.8 Kbps
- Web-based configuration via built-in Ethernet or WLAN
- Supports Windows/Linux COM driver
- Supports TCP Server, TCP Client, and UDP modes
- Enhanced remote configuration via HTTPS, SSH



802.11b/g Wireless Connectivity to Serial Devices

For hard-to-wire situations, Wireless Serial Device Servers are the ideal solution to reduce the number of connection cables. When using Infrastructure Mode or Ad-Hoc Mode, NPort

W2004 can communicate with an access point or another NPort W2004 located up to 300 meters away in open areas.

Works with Existing Software, Saving you Time and Money

NPort W2004 supports field proven Real COM/TTY drivers for Windows and Linux systems, ensuring that existing PC software will still work when used with the new Wireless LAN

infrastructure. TCP Server, TCP Client, and UDP modes are also supported so that IP-based software can directly access each device by knowing the IP address and TCP port number.

Secure Remote Management and Configuration with SSH/SSL

Unauthorized access is one of the biggest headaches for system managers. In addition to WEP protection over a wireless LAN, and IP filtering and password protection, NPort W2004 also provides extra protection using SSH and SSL to

protect NPort W2004 from hackers. Use a web browser that supports https (e.g., Internet Explorer), or a Terminal Emulator that supports SSH (e.g., PuTTY), to open NPort W2004's web page or text-based menu safely.

Ordering Information

NPort W2004-US: 4-port RS-232/422/485 Device Server with 802.11b/g, antenna, US band, US plug

NPort W2004-EU: 4-port RS-232/422/485 Device Server with 802.11b/g, antenna, Euro band, Euro plug

NPort W2004-CN: 4-port RS-232/422/485 Device Server with 802.11b/g WLAN, antenna, Euro band, US plug, CCC

NPort W2004-UK: 4-port RS-232/422/485 Device Server with 802.11b/g WLAN, antenna, Euro band, UK plug

NPort W2004-SAA: 4-port RS-232/422/485 Device Server with 802.11b/g WLAN, antenna, Euro band, Australia plug

All items include

- NPort W2004 x 1
- RJ45 to RJ45 Ethernet cross-over cable
- RJ45 to male DB9 cable
- RJ45 to female DB9 cable
- Power adaptor
- CD-ROM, Quick Installation Guide

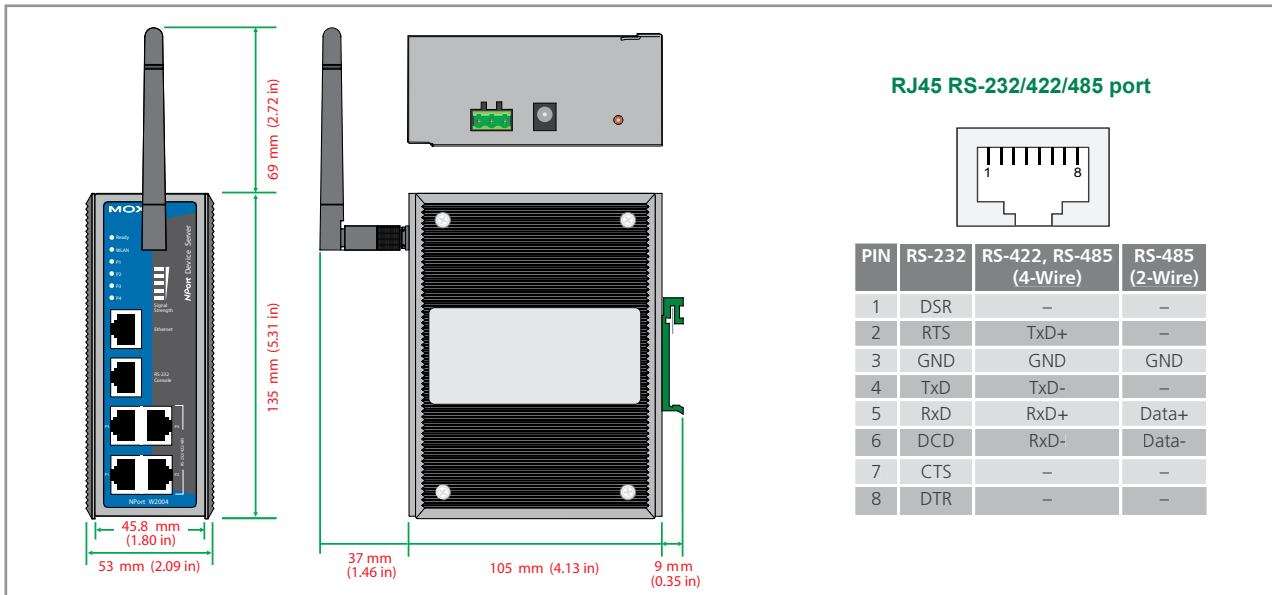
Optional Accessories

CBL-RJ45M9-150: 8-pin RJ45 to Male DB9 cable, 150 cm

CBL-RJ45F9-150: 8-pin RJ45 to Female DB9 cable, 150 cm

CBL-RJ45M25-150: 8-pin RJ45 to Male DB25 cable, 150 cm

CBL-RJ45F25-150: 8-pin RJ45 to Female DB25 cable, 150 cm



Specifications

WLAN

- Standard Compliance:** IEEE802.11b/g
- Spread Spectrum Technology:** DSSS, OFDM
- Tx Power 11b:** Maximum 20 dBm
- Tx Power 11g:** Maximum 18 dBm
- Rx Sensitivity:** -70 dBm @ 54 Mbps, -85 dBm @ 11 Mbps
- Transmission Rate:** 54 Mbps (max.) with auto fallback (54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbps)
- Transmission distance:** Up to 300 meters (@12 Mbps, in open areas)
- Security:** WEP 64-bit/128-bit data encryption
- Antenna Connector:** Reverse SMA
- Network Mode:** Infrastructure mode, Ad-Hoc mode

LAN

- Ethernet:** 10/100 Mbps, RJ45, Auto MDI/MDIX
- Protection:** Built-in 1.5 KV magnetic isolation

Serial

- No. of ports:** 4
- Interface:** RS-232/422/485, 8-pin RJ45 with 15 KV ESD for all signals
- RS-485 Data direction:** Patented Automatic Data Direction Control (ADDCTM)

Serial Communication Parameters

- Parity:** None, Even, Odd, Space, Mark
- Data bits:** 5, 6, 7, 8
- Stop bits:** 1, 1.5, 2
- Flow control:** RTS/CTS, XON/XOFF
- Speed:** 50 bps to 460.8 Kbps

Console Ports: Ethernet x 1, RS-232 console x 1

Software Features

Protocols: ICMP, IP, TCP, UDP, DHCP, Telnet, DNS, SNMP, HTTP, SMTP, SNTp, SSH, HTTPS

Utilities: NPort Search Utility & NPort Windows Driver manager for Windows 95/98/ME/NT/2000/XP/2003

OS Driver Support: Windows 95/98/ME/NT/2000/XP/2003/XP x64/2003 x64 COM driver, Linux real TTY driver, SCO Unix, SCO OpenServer 5, UnixWare 7, UnixWare 2.1.x, SVR4.2, QNX

Configuration: Web/Serial/Telnet console, or Windows utility

Power Requirements

- Power input:** 12 to 48 VDC
- Power consumption:** 685 mA @ 12V, 184 mA @ 48V, 340 mA @ 24V

Mechanical Specifications

- Material:** SECC sheet metal (1 mm)
- Dimensions**
- Body:** 53 x 135 x 105 mm (without DIN-Rail kit or antenna)
- DIN-Rail Kit:** 9 mm
- Antenna:** 69 mm

Environmental

- Operating Temperature:** 0 to 60°C (32 to 140°F), 5 to 95% RH
- Storage Temperature:** -20 to 85°C (-4 to 185°F), 5 to 95% RH

Regulatory Approvals

- EMC:**
- CE: EN55022 Class A/EN55024, ETSI EN 301 489-17, ETSI EN 301 489-1
- FCC: FCC Part 17 Subpart B, Class A, FCC Part 15 Subpart C

Safety:

UL: UL60950-1, TÜV: EN60950-1

Warranty: 5 years



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