



Models: NPORT W2250, NPORT W2150

Wireless Serial Device Servers

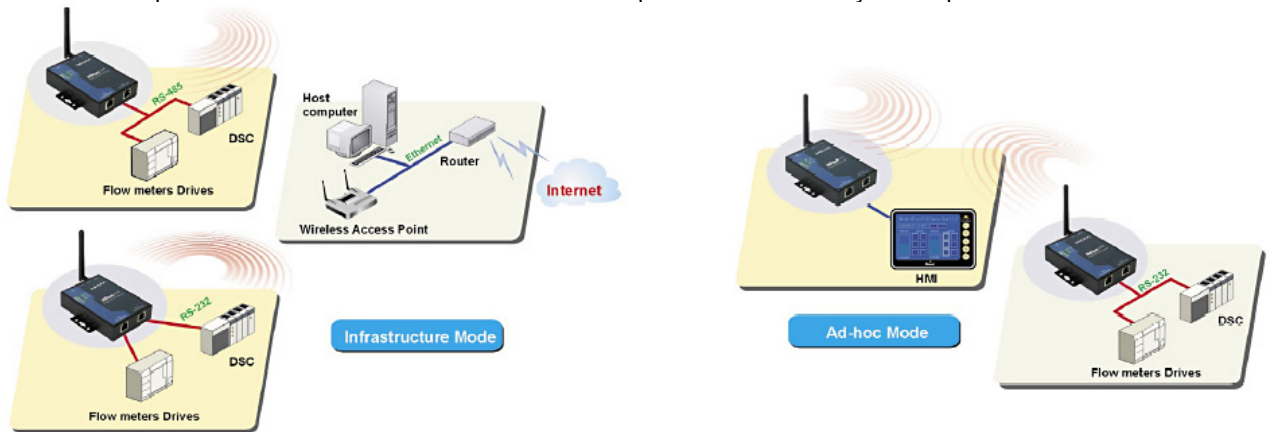
2 or 1-Port Universal Serial Device Servers

Overview

The NPort W2250/2150 Wireless Serial Device Server extends wireless networking capabilities to printers, scales, medical equipment, manufacturing machinery, bar code readers, card readers, point-of-sale equipment and other data collection devices. NPort W2250/2150's RS-232/422/485 3-in-1 serial interface is suitable for use with most serial devices. Link up to 2 serial devices to your wireless network via one NPort Server IP address.

802.11b Wireless Connectivity to Serial Devices

For hard-to-wire situations, a wireless Serial Device Server is the ideal solution to reduce the number of connection cables. When using Infrastructure Mode or Ad-Hoc Mode, Nport W2250/2150 can communicate with any host computer via an access point or another NPort W2250/2150 located up to 100 meters away in an open area.



Works with Existing Software, Saving You Time and Money

NPort W2250/2150 supports field proven Real COM/TTY drivers for Windows and Linux system, ensuring that existing PC software will still work when used with the new Wireless NPort W2250/2150 comes with a Windows utility that automatically searches for and locates the Wireless Serial Device Server over an Ethernet network. An easy-to-use Wizard (via the LAN infrastructure). TCP Server, TCP Client, and UDP modes are also supported so that IP-based software (e.g., Telnet) can use IP and TCP port number to access each device directly.

Easy-to-Use Remote management and Configuration Tools

NPort W2250/2150 comes with a Windows utility that automatically searches for and locates the Wireless Serial Device Server over an Ethernet network. An easy-to-use Wizard (via the web console) guides you through the entire installation in just a few minutes.

Features

- Link any serial device to a Wi-Fi 802.11b or b+g network
- 2 or 1 RS-232/422/485 ports, at up to 230.4 kbps
- Web-based configuration via built-in Ethernet or WLAN
- Supports Windows/Linux COM driver
- Supports TCP Client/Server pair connection mode and UDP mode
- Secure data access via standard WEP
- Compact sized, robust metal case fits all applications

B&B electronics
MANUFACTURING COMPANY

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Specifications

WLAN

Standard Compliance:	802.11b
Radio Frequency Type:	DSSS
Tx Power:	15 dBm ± 2 (CH1-CH13), 12dBm ± 2 (CH14)
Rx Sensitivity:	-84 dBm @ 11 Mbps, -87 dBm @ 5.5 Mbps, -89 dBm @ 2 Mbps, -91 dBm @ 1 Mbps
Transmission Rate:	11 Mbps (max.) with auto fallback (11, 5.5, 2, 1 Mbps)
Transmission Distance:	Up to 100 meters (@11 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
Protection:	Built-in 1.5 KV magnetic isolation

Serial

Number of Ports:	2 ports (NPort W2250), 1 port (NPort W2150)
Interface:	RS-232/422/485, 8-pin RJ45

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:	110 bps to 230.4 Kbps

Console Ports

Ethernet x 1, RS-232 console x 1 (Port 1)

Software Features

Protocols:	ICMP, IP, TCP, UDP, DHCP, BOOTP, Telnet, DNS, SNMP, HTTP, SMTP
Utilities:	Windows utility for Windows 98/ME/2000/XP/2003
Configuration:	Web browser, serial/telnet console, or Windows utility

Power Requirements

Power Input:	12-48 VDC
Power Consumption:	250 mA @ 12V, 138 mA @ 24V

Mechanical Specifications

Material:	Aluminum sheet metal, 1 mm (0.039 in)
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Dimensions

Body:	Without ears or antenna: 7.7 x 11.1 x 2.6 cm (3.0 x 4.4 x 1.0 in)
Body:	Without antenna: 10.0 x 11.1 x 2.6 cm (3.9 x 4.4 x 1.0 in)
Antenna:	10.9 cm (4.3 in)

Environmental

Operating Temperature:	0 to 55°C (32 to 131°F), 5 to 95% RH
Storage Temperature:	-20 to 85°C (-4 to 185°F), 5 to 95% RH

Regulatory Approvals

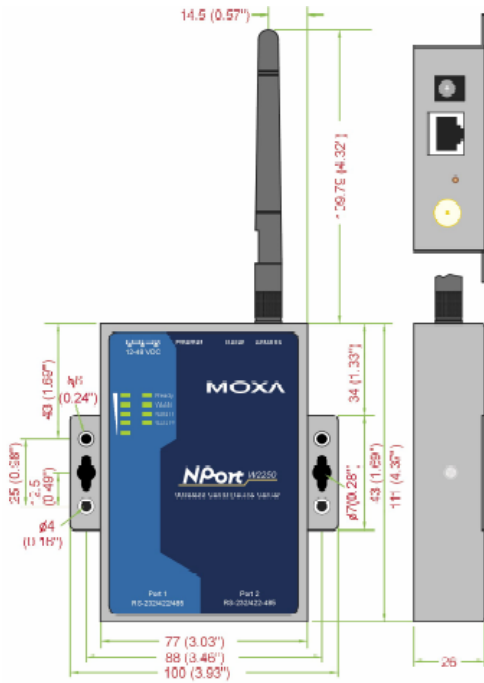
EMC:	FCC Class A, CE Class A
Safety:	UL, CUL, TÜV



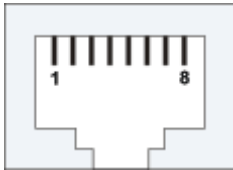
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Dimensions



Pin Assignments - RJ45 - RS-232/422/485 Port



Pin	RS-232	RS-422	RS-485
1	DSR (in)	---	---
2	RTS (out)	TxD+	---
3	GND	GND	GND
4	TxD (out)	TxD-	---
5	RxD (in)	RxD+	Data+
6	DCD (in)	RxD-	Data-
7	CTS (in)	---	---
8	DTR (out)	---	---



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Ordering Information

NPORT W2150 1-port RS-232/422/485 Device Server with 802.11b WLAN

NPORT W2250 2-port RS-232/422/485 Device Server with 802.11b WLAN

Add **-EU** to end of model number to specify Euro band and Euro power supply.

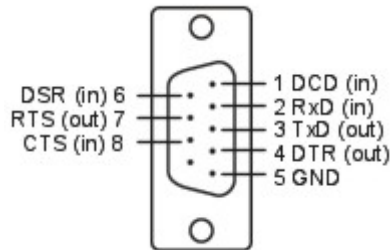
Add **-UK** to end of model number to specify Euro band and UK power supply.

Optional Accessories

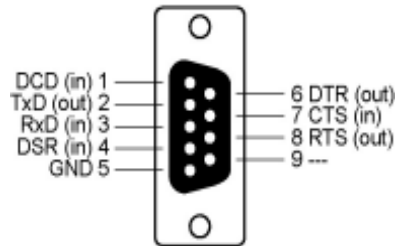
- DRAD35** DIN Rail Adapter Clips (one pair)
- CBL-RJ45M9-150** RJ45 (8-pin) to DB9 male cable, 150 cm (4.9 ft)
- CBL-RJ45F9-150** RJ45 (8-pin) to DB9 female cable, 150 cm (4.9 ft)
- CBL-RJ45M25-150** RJ45 (8-pin) to DB25 male cable, 150 cm (4.9 ft)
- CBL-RJ45F25-150** RJ45 (8-pin) to DB25 female cable, 150 cm (4.9 ft)

Pin Assignments

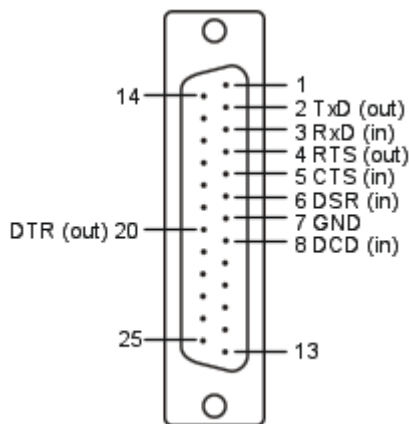
CBL-RJ45M9-150



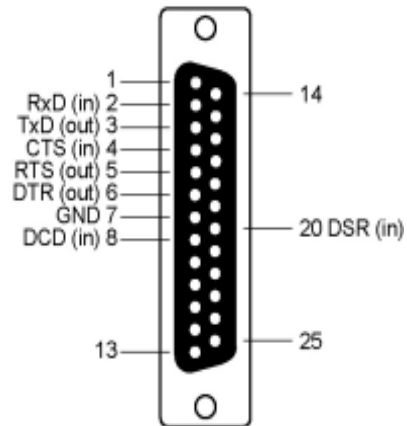
CBL-RJ45F9-150



CBL-RJ45M25-150



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