

Item no.: 385414

NPort W2250A-JP - 2-port wireless device server, 3-in-1, 802.11abgn WLAN JP Band, 12 to 48 VDC

from **384,81 EUR**

Item no.: 385414
shipping weight: 0.60 kg
Manufacturer: MOXA



Product Description

IntroductionThe NPort® W2150A and W2250A are the ideal choice for connecting your serial and Ethernet devices, such as PLCs, meters and sensors, to a wireless LAN. Your communication software can access the serial devices from anywhere via a wireless LAN. In addition, the wireless device servers require fewer cables and are ideal for applications where cabling is difficult. In infrastructure or ad-hoc mode, the NPort® W2150A and NPort® W2250A can connect to Wi-Fi networks in offices and factories to allow users to move or roam between multiple APs (access points), providing an excellent solution for devices that are frequently moved from one location to another.

Ethernet interface- 10/100BaseT(X) ports (RJ45 connector): 1- Magnetic isolation protection: 1.5 kV (built-in)- Standards: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X)

Ethernet software functions- Configuration options: Web console (HTTP/HTTPS), Windows utility- Management: DHCP option 82, HTTP, IPv4, SMTP, SNMPv1/v2c/v3, Syslog, Telnet, Web Console- Windows Real COM drivers: Windows 95/98/ME/NT/2000, Windows XP/2003/Vista/2008/7/8/8.1/10 (x86/x64), Windows 2008 R2/2012/2012 R2/2016/2019 (x64), Windows Embedded CE 5.0/6.0, Windows XP Embedded- Linux Real TTY driver: Kernel versions: 2.4.x, 2.6.x, 3.x, 4.x and 5.x- Fixed TTY driver: SCO UNIX, SCO OpenServer, UnixWare 7, QNX 4.25, QNX 6, Solaris 10, FreeBSD, AIX 5.x, HP-UX 11i, Mac OS X- Android API: Android 3.1.x and higher- MIB: Device Settings MIB, RFC1213, RFC1317- Security: HTTPS/SSL, user authentication management: local database, RADIUS, secure protocols: HTTPS (TLSv1.2), SSH, SNMPv3, cryptography: HMAC, SHA-1, SHA-256, SHA-384, RSA-1024, AES-128, AES-256- Time management: NTP client, SNTP client

WLAN interface- WLAN standards: 802.11a/b/g/n

Reception sensitivity for 802.11a (measured at 5.680 GHz):- Type: -91 @ 6 Mbps- Type: -74 @ 54 Mbps

Reception sensitivity for 802.11g (measured at 2.437 GHz):- Typ. -92 dBm @ 1 Mbps- Typ. -84 dBm @ 11 Mbps

Reception sensitivity for 802.11n (2.4 GHz; measured at 2.437 GHz):- Typ. -91 dBm @ 6 Mbps- Typ. -73 dBm @ 54 Mbps

Receiver sensitivity for 802.11n (2.4 GHz; measured at 2.437 GHz):- Typ. -89 dBm @ 6.5 Mbps (20 MHz)- Type: -71 dBm @ 72.2 Mbps (20 MHz)

Reception sensitivity for 802.11n (5 GHz; measured at 5.680 GHz):- Typ. -89 dBm @ 6.5 Mbps (20 MHz)- Typ. -71 dBm @ 72.2 Mbps (20 MHz)

Typ. -85 dBm @ 13.5 Mbps (40 MHz)- Typ. -67 dBm @ 150 Mbps (40 MHz)- Modulation type: DSSS, OFDM-

Transmission distance: Up to 100 metres (in open areas)

Transmission rate:- 802.11a/g: 54 Mbps- 802.11b: 11 Mbps- 802.11n: 6.5 to 150 Mbps

Transmission power for 802.11a:- 16±1.5 dBm @ 1 Mbps- 16±1.5 dBm @ 11 Mbps

Transmission power for 802.11g:- 16±1.5 dBm @ 6 Mbps- 14±1.5 dBm @ 54 Mbps

Transmission power for 802.11a:- 15±1.5 dBm @ 6 Mbps- 14±1.5 dBm @ 54 Mbps

Transmission power for 802.11n (2.4 GHz):- 16 dBm @ 1.5 Mbps (6.5 MHz)- 12 dBm @ 1.5 Mbps (72.2 MHz)

Transmit power for 802.11n (5 GHz):- 15 dBm @ 1.5 Mbps (6.5 MHz)- 12 dBm @ 1.5 Mbps (150 MHz)

Frequency band for CN (20 MHz operating channels):- 2.412 to 2.472 GHz (13 channels)- 5.180 to 5.240 GHz (4 channels)- 5.260 to 5.320 GHz (4 channels) - 5.745 to 5.825 GHz (5 channels)

Frequency band for the EU (20 MHz operating channels):- 2.412 to 2.472 GHz (13 channels)- 5.180 to 5.240 GHz (4 channels)- 5.260 to 5.320 GHz (4 channels) - 5.500 to 5.700 GHz (11 channels)

Frequency band for JP (20 MHz operating channels):- 2.412 to 2.484 GHz (14 channels)- 5.180 to 5.240 GHz (4 channels)- 5.260 to 5.320 GHz (4 channels) - 5.500 to 5.700 GHz (11 channels)

Frequency band for US (20 MHz operating channels):- 2.412 to 2.462 GHz (11 channels)- 5.180 to 5.240 GHz (4 channels)- 5.260 to 5.320 GHz (4 channels) - 5.500 to 5.700 GHz (11 channels) - 5.745 to 5.825 GHz (5 channels)

Wireless security:- WEP encryption (64-bit and 128-bit)- WPA/WPA2-Enterprise (IEEE 802.1X/RADIUS, TKIP, AES)- WPA/WPA2-Personal- WLAN modes: Ad-hoc mode, infrastructure mode

Antenna properties- Connection: RP-SMA (plug)- Antenna type: Omnidirectional

Security functions- Authentication: Local database, RADIUS- Encryption: HTTPS, AES-128, AES-256, HMAC, RSA-1024, SHA-1, SHA-256, SHA-384- Security protocols: SNMPv3, SSHv2, HTTPS (TLS 1.2)

Serial interface- Connection: DB9 connector- Number of ports: NPort W2150A/W2150A-T: 1, NPort W2250A/W2250A-T: 2- Serial standards: RS-232, RS-422, RS-485- Operating modes: Real COM mode, TCP Server mode, TCP Client mode, UDP mode, RFC2217 mode, Pair Connection mode, Ethernet Modem mode, Disabled- Baud rate: 50 bps to 921.6 kbps- Data bits: 5, 6, 7, 8- Stop bits: 1, 1.5, 2- Parity: None, Even, Odd, Space, Mark- Flow control: None, RTS/CTS, XON/XOFF- RS-485 data direction control: ADDC® (automatic data direction control)- Pull high/low resistor for RS-485: 1 kilo-ohm, 150 kilo-ohm- Terminating resistor for RS-485: 120 ohm- Overvoltage: 1 kV

Physical properties- Housing: metal- Installation: desktop mounting, DIN rail mounting (with optional kit), wall mounting- Dimensions (with ears, without antenna): 77 x 111 x 26 mm (3.03 x 4.37 x 1.02 in)- Dimensions (without ears or antenna): 100 x 111 x 26 mm (3.94 x 4.37 x 1.02 in)- Weight: NPort W2150A/W2150A-T: 547 g (1.21 lb), NPort W2250A/W2250A-T: 557 g (1.23 lb)- Antenna length: 109.79 mm (4.32 in)

Environmental limits- Operating temperature: Standard models: 0 to 55°C (32 to 131°F), Wide Temp. models: -40 to 75°C (-40 to 167°F)- Storage temperature (including packaging): -40 to 75°C (-40 to 167°F)- Ambient Relative Humidity: 5 to 95% (non-condensing)

Performance Parameters- Input Current: NPort W2150A/W2150A-T: 179 mA @ 12 VDC, NPort W2250A/W2250A-T: 200 mA @ 12 VDC- Input voltage: 12 to 48 VDC

Standards and certifications- EMC: EN 55032/24- EMI: CISPR 32, FCC Part 15B Class A EMS:- IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV- IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m- IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV- IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV- IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m; Signal: 3 V/m- IEC 61000-4-8 PFMF- IEC 61000-4-11- Radio frequency: CE (ETSI EN 301 893, ETSI EN 300 328, ETSI EN 301 489-17, ETSI EN 301 489-1), ARIB RCR STD-33, ARIB STD-66

Reliability- Alert tools: RTC (real-time clock)- Automatic reboot trigger: Built-in

WDTMTBF- Time: NPort W2150A/W2150A-T: 383,187 hours, NPort W2250A/W2250A-T: 363,327 hours- Standards: Telcordia (Bellcore) Standard TR/SR

Specifications

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All details, up-to-date
prices and availability



