

Item no.: 385420

## NPORT W2250A-W4-EU - 2-port RS-232/422/485 wireless device server with 802.11abgn WLAN EU band

from **384,81 EUR**

Item no.: 385420  
shipping weight: 0.20 kg  
Manufacturer: MOXA



### Product Description

2-port RS-232/422/485 wireless device server with 802.11a/b/g/n WLAN EU band, EU connector. 12 to 48 VDC, 0 to 55°C operating temperature Ethernet interface 10/100BaseT(X) ports (RJ45 connector) - 1Magnetic 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 DHCP Option 82 - HTTP - IPv4 - SMTP - SNMPv1/v2c/v3 - Syslog - Telnet - Web Console/Windows Real COM Drivers - Windows 11/10/8.1/8/7/Vista/XP/ME/98/95 - Windows Server 2022/2019/2016/2012 R2/2012/2008 R2/2008/2003/2000/NT - Windows Embedded CE 5.0/6.0, Windows XP Embedded Linux Real TTY driver - Kernel versions: 6.x, 5.x, 4.x, 3.x, 2.6.x and 2.4.x Fixed TTY driver - macOS versions: 10.12 to 10.15, 11.x SCO UNIX, SCO OpenServer, UnixWare 7, QNX 4.25, QNX 6, Solaris 10, FreeBSD, AIX 5.x, HP-UX 11i, Mac OS X Support for Arm-based platforms - Linux kernel 5.x/4.x Virtual machine - VMWare ESXi (Windows 11/10) - VMware Fusion (Windows on macOS 10.12 to 11.x) - Parallels Desktop (Windows on macOS 10.12 to 11.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 (TLSv1.3), 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 - Typ. -74 @ 54 Mbps Reception sensitivity for 802.11b (measured at 2.437 GHz) - Typ. -92 dBm @ 1 Mbps - Typ. -84 dBm @ 11 Mbps Reception sensitivity for 802.11g (measured at 2.437 GHz) - Typ. -91 dBm @ 6 Mbps - Typ. -73 dBm @ 54 Mbps Reception sensitivity for 802.11n (2.4 GHz; measured at 2.437 GHz) - Typ. -89 dBm @ 6.5 Mbps (20 MHz) - Typ. -71 dBm @ 72.2 Mbit/s (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 802.11b - 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) Transmission 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 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 2.472 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 the USA (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 - Infrastructure mode Antenna properties Connection - RP-SMA (male) Antenna type - Omnidirectional Security functions Authentication - Local database Local database Local database - RADIUS Encryption - AES-128 - AES-256 - HMAC - RSA-1024 - SHA-1 - SHA-256 - SHA-384 Security protocols - SNMPv3 - SSHv2 - HTTPS (TLS 1.3) Wireless security - WEP - WPA/WPA2-Enterprise (IEEE 802.1X/RADIUS support EAP-TLS 1.3) - WPA/WPA2-Personal Hardware-based security - Secure Boot Serial interface Connection - DB9 connector No. of ports - 2 Ports - 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 - 300 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-ohms Terminating resistor for RS-485 - 120 ohms Surge - 1 kV Physical properties Housing - Metal Installation - Desktop mounting - DIN rail mounting (with optional kit) - Wall mounting Dimensions (with ears, without antenna) - 100 x 111 x 26 mm (3.94 x 4.37 x 1.02 in) Dimensions (without ears or antenna) - 77 x 111 x 26 mm (3.03 x 4.37 x 1.02 in) Weight - 191 g (0.42 lb) Antenna Length - 108 mm (4.25 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) Relative humidity - 5 to 95% (non-condensing) condensing Performance parameters Input current - 455 mA @ 12 VDC Input voltage - 12 to 48 VDC Standards and certifications EMC - EN 55032/35 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 301489-1/-17), MIC, KC, RCM, WPC Safety - UL 62368-1 - IEC 62368-1 Reliability Alarm tools - RTC (real-time clock) Automatic reboot trigger - Built-in WDT MTBF Time - 1,187,539 hours Standards - Telcordia SR332

### Specifications

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