

Item no.: 384750

NPORT W2150A-T-US - 1-port wireless device server, 3-in-1, 802.11abgn WLAN US Band, 12 to 48 VDC

from 478,26 EUR

Item no.: 384750
shipping weight: 0.60 kg
Manufacturer: MOXA



Product Description

Our wireless device servers are the ideal choice for connecting your serial or Ethernet devices, such as PLCs, measuring devices and sensors, to a wireless network without having to run a network cable to each device.

1-Port Wireless Device Server, 3-in-1, 802.11a/b/g/n WLAN US band, 12 to 48 VDC, -40 to 75°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 Features 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 Drivers - 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 - 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 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 802.11n (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 2.484 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 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 - Ad-hoc mode, infrastructure mode

Antenna properties Connection - RP-SMA (male) 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 Connector - DB9 male

Number of ports - 1

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-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) - 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 - 547 g (1.21 lb)

Antenna length - 109.79 mm (4.32 in)

Environmental conditions Operating temperature - -40 to 75°C (-40 to 167°F)

Storage temperature (in packaging) - -40 to 75°C (-40 to 167°F)

Relative humidity - 5 to 95% (non-condensing)

Performance parameters Input current - 179 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

WDT MTBF - 383,187 hrs

Standards - Telcordia (Bellcore) Standard TR/SR

Specifications

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All details, up-to-date
prices and availability



