

Item no.: 384657

## NPORT 5150AI-M12-CT - 1-Port RS-232/422/485 Device Server with M12 connector, 12-48 VDC, -40 to 75°C

from **818,17 EUR**

Item no.: 384657  
shipping weight: 0.70 kg  
Manufacturer: MOXA



### Product Description

The NPort® 5000AI-M12 serial device servers are designed to quickly network serial devices and provide direct access to serial devices from anywhere on the network. In addition, the NPort 5000AI-M12 is compliant with EN 50121-4 and all mandatory sections of EN 50155 relating to operating temperature, input voltage, overvoltage, ESD and vibration, making it suitable for use in rolling stock and railway stations where the operating environment is subject to high vibration. Web-based 3-step configuration The NPort 5000AI-M12's web-based 3-step configuration tool is simple and user-friendly. The NPort 5000AI-M12's web console guides the user through three simple configuration steps required to enable the serial-to-Ethernet application. With this quick, 3-step web-based configuration, it takes a user an average of only 30 seconds to complete the NPort settings and activate the application. Easy troubleshooting The NPort 5000AI-M12 device servers support SNMP, which can be used to monitor all units over Ethernet. Each device can be configured to automatically send trap messages to the SNMP manager when user-defined errors occur. For users who do not use the SNMP manager, an email notification can be sent instead. Users can define the trigger for the alerts using Moxa's Windows utility or the web console. For example, alerts can be triggered by a warm start, a cold start or a password change. Ethernet interface- 0/100BaseT(X) ports (M12 D-coded 4-pin socket): 1 Ethernet Software functions- Configuration options: Web Console (HTTP/HTTPS), Windows Utility, Device Search Utility (DSU), MCC Tool, Telnet Console- Management: ARP, BOOTP, DHCP client, DNS, HTTP, HTTPS, ICMP, IPv4, LLDP, SMTP, SNMPv1/v2c, TCP/IP, Telnet, UDP- Filter: IGMP v1/v2- Windows Real COM driver: Windows 95/98/ME/NT/2000, Windows XP/2003/Vista/2008/7/8/8.1/10/11 (x86/x64), Windows 2008 R2/2012/2012 R2/2016/2019 (x64), Windows Server 2022, 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, macOS 10.12, macOS 10.13, macOS 10.14, macOS 10.15- Android API: Android 3.1.x and higher Security functions- Authentication: Local database- Encryption: HTTPS, AES-128, RSA-1024, SHA-1, SHA-256- Security protocols: SNMPv3, HTTPS (TLS 1.2) Serial interface- Connector: DB9 connector- Number of ports: 1- Serial standards: RS-232, RS-422, RS-485- Baud rate: Supports standard baud rates (unit=bps): 50, 75, 110, 134, 150, 300, 600, 1200, 1800, 2400, 4800, 7200, 9600, 19200, 38400, 57600, 115200, 230.4k, 460.8k, 921.6k- Data bits: 5, 6, 7, 8- Stop bits: 1, 1.5, 2- Parity: None, Even, Odd, Space, Mark- Flow control: RTS/CTS (RS-232 only), DTR/DSR (RS-232 only), XON/XOFF- RS-485 data direction control: ADDC (automatic data direction control)- Isolation: 2 kV Serial signals- RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND- RS-422: Tx+, Tx-, Rx+, Rx-, GND- RS-485-4w: Tx+, Tx-, Rx+, Rx-, GND- RS-485-2w: Data+, Data-, GND Performance parameters- Input current: 310 mA @ 12 VDC- Input voltage: 12 to 48 VDC- Note: Compliant with EN 50155 at 24/48 VDC- Power connection: M12 A-coded 5-pin connector Reliability- Automatic reboot trigger: Built-in WDT- Warning tools: Built-in buzzer and RTC (real-time clock) Physical Characteristics- Dimensions: 80 x 216.6 x 52.9 mm (3.15 x 8.53 x 2.08 in.)- Weight: 686 g (1.51 lb)- Protection: NPort 5000AI-M12-CT models: PCB conformal coating Environmental Limits- Operating Temperature: Standard Models: -25 to 55°C (-13 to 131°F), Wide Temp. Models: -40 to 75°C (-40 to 167°F)- Storage temperature (including packaging): -40 to 85°C (-40 to 185°F)- Ambient Relative Humidity: 5 to 95% (non-condensing) Standards and Certifications- EMC: EN 55032/35- EMI: CISPR 32, FCC Part 15B Class A- Railway: EN 50121-4- Safety: UL 60950-1- Vibration: IEC 60068-2-6 EMS- IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV- IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m- IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV- IEC 61000-4-5 Surge: Power: 0.5 kV; Signal: 2 kV- IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signal: 10 V/m- IEC 61000-4-8 PFMF Declaration- Environmentally friendly product: RoHS, CRoHS, WEEE MTBF- Time: 789.341 hours- Standards: Telcordia (Bellcore) Standard TR/SR

### Specifications

Scan this QR code to  
view the product  
All details, up-to-date  
prices and availability

