

Item no.: 384669

NPORT IA-5150I-M-SC-T - 1-port RS-232/422/485 device server with 1 100BaseF(X)

from **622,67 EUR**

Item no.: 384669
shipping weight: 0.40 kg
Manufacturer: MOXA



Product Description

Introduction NPort® IA device servers provide simple and reliable serial-to-Ethernet connectivity for industrial automation applications. The device servers can connect any serial device to an Ethernet network. To ensure compatibility with network software, they support a variety of port operating modes, including TCP Server, TCP Client and UDP. The high reliability of the NPort® IA device servers makes them the ideal choice for network access to RS-232/422/485 serial devices such as PLCs, sensors, counters, motors, drives, barcode readers and operator displays. All models are housed in a compact, robust enclosure that can be mounted on a DIN rail. Cascading Ethernet ports simplify wiring (10/100BaseTX models). The NPort® IA5150 and IA5250 device servers each have two Ethernet ports that can be used as Ethernet switch ports. One port connects directly to the network or server and the other port can be connected to either another NPort® IA device server or an Ethernet device. The dual Ethernet ports help reduce wiring costs by eliminating the need to connect each device to a separate Ethernet switch. Redundant power inputs The NPort® IA5000 device servers have two power inputs that can be connected simultaneously to live DC power sources. If one power source fails, the other source automatically takes over. Redundant power inputs help ensure that your device server operates without interruption. Relay output warning and e-mail alerts The integrated relay output can be used to warn administrators of problems with the Ethernet connections or power inputs or if the serial DCD or DSR signals change. The web console indicates which Ethernet connection or power input has failed or which serial signal has changed. An e-mail warning can also be issued if an exception is detected. These functions are valuable tools that enable maintenance technicians to react quickly in emergency situations. Fibre optics for Ethernet communication The NPort® IA5000 series includes 100BaseFX fibre optic models that support transmission distances of up to 5 km for multimode models and up to 40 km for singlemode models. Fibre optic cables are ideal for industrial applications as they are immune to electromagnetic interference. In environments where high ground loop voltages occur, fibre provides the best insulation protection, and because there is no risk of sparking, fibre is safer to use in hazardous environments than copper wire. Industrial certification To ensure safe and reliable operation in industrial environments, the NPort® IA5000 device servers have received various industrial certifications, including an IP30 rating for mechanical protection, UL 508 safety certification for industrial control equipment and explosion-proof certifications for hazardous areas. Certifications include UL/cUL Class 1 Division 2 Groups A, B, C, D, as well as ATEX Class 1 Zone 2 and IECEx Zone 2. NPort IA-5150I-M-SC-TNPort IA5000 Series 1-port RS-232/422/485 device server with 1 100BaseF(X) multimode fibre port (SC connectors) and 2 kV optical isolation, -40 to 75°C operating temperature Ethernet interface 10/100BaseT(X) ports (RJ45 connector): 2 (1 IP, Ethernet cascade) Magnetic isolation protection: 1.5 kV (built-in) 100BaseFX ports (multi-mode SC connector): 1 Fibre optic Ethernet software functions-Configuration options: Web Console (HTTP) Windows Utility Telnet Console Serial Console-Administration: DHCP Client IPv4 SMTPS NMPv1 Telnet ARP BOOTP DNS HTTP TCP/IP UDP ICMP Rtelnet-Windows Real COM Drivers: Windows 11, 10, 8.1, 8, 7, Vista, XP, ME, 98 and 95 Windows Server 2022, 2019, 2016, 2012 R2, 2012, 2008 R2, 2008, 2003, 2000 and NT Windows Embedded CE 5.0 and 6.0, Windows XP Embedded-Linux Real TTY drivers: Kernel versions: 6.x, 5.x, 4.x, 3.x, 2.6.x and 2.4.x-Fixed TTY Drivers: macOS versions: 14, 13, 12, 11, and 10.1x SCO UNIX, SCO OpenServer, UnixWare 7, QNX 4.25, QNX 6, Solaris 10, FreeBSD, AIX 5.x, HP-UX 11i, Mac OS X-Arm®-based platform support: Windows 11, Linux Kernel 6.x, 5.x, and 4.x, macOS 14, 13, 12 and 11-Virtual machine: VMware ESXi (Windows 11/10) VMware Fusion (Windows on macOS 14, 13, 12, 11 and 10.1x) Parallels Desktop (Windows on macOS 14, 13, 12, 11 and 10.1x)-Android API: Android 3.1.x and higher-Time management: SNTP-MIB: RFC1213, RFC1317 Security functions Authentication: Local database (password only) Serial interface-Connection: DB9 connector for RS-232 and terminal block for RS-422/485-Serial standards: RS-232RS-422RS-485-Baud rate: Supports standard baud rates (unit=bps): 110, 134, 150, 300, 600, 1200, 1800, 2400, 4800, 7200, 9600, 19200, 38400, 57600, 115200, 230400-Data bits: 5, 6, 7, 8-Parity: None, Even, Odd, Space, Mark-Stop bits: 1, 1.5, 2-Flow Control: RTS/CTS (RS-232 only) DTR/DSR (RS-232 only) XON/XOFF-Terminator for RS-485: 120 Ohm-Pull High/Low Resistor for RS-485: 1 Kilo-Ohm, 150 Kilo-Ohm-Isolation: 2 kV.RS-485 Data Direction Control: ADDC (automatic data direction control) 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 Power parameters Input voltage: 12 to 48 VDC Input current: 555 mA @ 12 VDC Number of power inputs: 2 Power connection: Terminal block Relay Contact current rating: Resistive load: 1 A @ 30 VDC Physical characteristics Housing: Plastic IP rating: IP30 Dimensions: 29 x 89.2 x 118.5 mm (0.82 x 3.51 x 4.57 in) Weight: 360 g (0.79 lb) Mounting: DIN rail mounting Environmental conditions Operating temperature: -40 to 75°C (-40 to 167°F) Storage temperature (including packaging): -40 to 85°C (-40 to 167°F) Ambient relative humidity: 5 to 95% (non-condensing) Standards and certifications-EMC: EN 55032/35-EMI: CISPR 32, FCC Part 15B Class A-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: 4 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFM IEC 61000-4-11-Safety: IEC 60950-1 EN 60950-1 EN 62368-1 UL 508-Maritime: DNV-Explosive atmospheres: ATEX Class I Division 2 IECEx-Free-fall: IEC 60068-2-32-Shock: IEC 60068-2-27-Vibration: IEC 60068-2-6, IEC 60068-2-64 Declaration-Green product: RoHS, CRoHS, WEEE MTBF Time: 768.343 hours Standards: Telcordia (Bellcore) Standard TR/SR

Specifications

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



