

Item no.: 385365

## NPORT IA5250A-T-IEX - 2-port RS-232/422/485 device server for industrial automation

from **473,59 EUR**

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shipping weight: 0.50 kg  
Manufacturer: MOXA



### Product Description

The industrial device servers offer enhanced surge protection and are certified for use in hazardous areas such as railway vehicles and roadsides. In addition, all devices are designed to ensure reliable serial-to-Ethernet connectivity when operating in harsh environments such as the oil and gas industry and energy automation.

**2-Port RS-232/422/485 device server for industrial automation with overvoltage protection, 2 10/100BaseT(X) ports with single IP, IECEx, -40 to 75°C operating temperature**

**Ethernet Interface- 10/100BaseT(X) ports (RJ45 connector) Supports 2 IP addresses- Auto MDI/MDI-X connection- Magnetic Isolation Protection 1.5 kV (built-in)**

**Ethernet Software Features- Configuration Options: Web Console (HTTP/HTTPS), Windows Utility, Device Search Utility (DSU), MCC Tool, Serial Console, Telnet Console- Management: ARP, BOOTP, DHCP Client, DNS, HTTP, HTTPS, ICMP, IPv4, LLDP, Rtelnet, SMTP, SNMPv1/v2c, TCP/IP, Telnet, UDP- Filter IGMP v1/v2- Linux Real TTY Drivers 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 later- Time Management SNTP- Windows Real COM Drivers 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**

**Security Functions- Authentication Local database- Encryption HTTPS, AES-128, RSA-1024, SHA-1, SHA-256- Security Protocols HTTPS (TLS 1.2)- IA5450A Models: SNMPv3**

**Serial Interface- Connector NPort IA5150A Models: DB9 male (RS-232), Terminal Block (RS-422/485)- NPort IA5250A/IA5450A Models: DB9 male (RS-232/422/485)- No. of Ports NPort IA5150A Models: 1- NPort IA5250A Models: 2- NPort IA5450A Models: 4- Serial Standards RS-232, RS-422, RS-485- Operation Modes Disabled, Ethernet Modem, Pair Connection, Real COM, Reverse Telnet, RFC2217, TCP, Client, TCP Server, UDP- Baudrate Supports standard baudrates (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 None, RTS/CTS (RS-232 only), DTR/DSR (RS-232 only), XON/XOFF- Isolation NPort IA5150A/IA5250A/IA5450A Models: 2 kV (I models)- Pull High/Low Resistor for RS-485 1 kilo-ohms, 150 kilo-ohms- Terminator for RS-485 120 ohms- RS-485 Data Direction Control ADDC (automatic data direction control)**

**Serial Signals- RS-232 Tx/D, Rx/D, RTS, CTS, DTR, DSR, DCD, GND- RS-422 Tx+, Tx-, Rx+, Rx-, GND- RS-485-2w Tx+, Tx-, Rx+, Rx-, GND- RS-485-4w Tx+, Tx-, Rx+, Rx-, GND- Power Parameters- Input Current NPort IA5150A Models: 220 mA @ 12 VDC- NPort IA5150AI Models: 225 mA @ 12 VDC- NPort IA5250A Models: 250 mA @ 12 VDC- NPort IA5250AI Models: 290 mA @ 12 VDC- NPort IA5450A Models: 374 mA @ 12 VDC- NPort IA5450AI Models: 512 mA @ 12 VDC- Input Voltage 12 to 48 VDC- No. of Power Inputs 2- Power Connector Terminal block**

**Physical Characteristics- Housing Metal- Dimensions NPort IA5150A/IA5250A Models: 36 x 105 x 140 mm (1.42 x 4.13 x 5.51 in)- NPort IA5450A Models: 45.8 x 134 x 105 mm (1.8 x 5.28 x 4.13 in)- Weight NPort IA5150A Models: 475 g (1.05 lb)- NPort IA5250A Models: 485 g (1.07 lb)- NPort IA5450A Models: 560 g (1.23 lb)- Installation DIN-rail mounting, Wall mounting (with optional kit)**

**Environmental Limits- Operating Temperature Standard Models: 0 to 60°C (32 to 140°F), Wide Temp. Models: -40 to 75°C (-40 to 167°F)- Storage Temperature (package included) -40 to 75°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: 1 kV- IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signal: 10 V/m- IEC 61000-4-8 PFMF-IEC 61000-4-11 Hazardous Locations - NPort IA5100A/IA5200A Models: UL/cUL Class I Division 2 Groups A/B/C/D, ATEX Zone 2- NPort IA5100A-IEX/IA5200A-IEX Models: UL/cUL Class I Division 2 Groups A/B/C/D, ATEX Zone 2, IECEx- NPort IA5400A Models: UL/cUL Class I Division 2 Groups A/B/C/D, ATEX Zone 2, IECEx- Safety UL 508- Vibration IEC 60068-2-6- Shock IEC 60068-2-27- Freefall IEC 60068-2-32 Declaration- Green Product RoHS, CRoHS, WEEE MTBF- Time NPort IA5150A/IA5250A Models: 262,805 hrs, NPort IA5450A Models: 763,711 hrs- Standards Telcordia (Bellcore) Standard TR/SR**

### Specifications

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

