

Item no.: 384652

NPORT 5130A-T - 1-port RS-422/485 device server, -40 to 75°C operating temperature

from 181,75 EUR

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 shipping weight: 0.40 kg
 Manufacturer: MOXA

Product Description

Introduction The NPort® 5100A device servers are designed to make serial devices network-ready in an instant and give your PC software direct access to serial devices from anywhere on the network. The NPort® 5100A device servers are ultra-lean, ruggedized, and user-friendly, making simple and reliable serial-to-Ethernet solutions possible. A Greener Serial-to-Ethernet Solution The MiiNe is a small but powerful Arm-based serial-to-Ethernet SoC with RAM and Flash embedded. With the MiiNe inside, the NPort® 5110A Series' power consumption is less than 1 W. The NPort® 5100A Series saves at least 50% on power consumption compared to existing solutions on the market, helping engineers meet the tough environmental compliance challenges found in today's industrial environments. Surge Protection for Serial, Ethernet, and Power Surge, which is typically caused by high voltages that result from switching and lightning transients, is a common threat to all electrical devices. Moxa's leading-edge surge immunity solution, which is applied to the NPort® 5100A's serial, power, and Ethernet lines, is tested and proven compliant with IEC 61000-4-5. This state-of-the-art surge protection provides a robust serial-to-Ethernet solution that can protect electrical devices from voltage spikes and withstand electrically noisy environmental conditions. 3-Step Web-based Configuration The NPort® 5100A's 3-step web-based configuration tool is straightforward and user-friendly. The NPort® 5100A's web console guides users through three simple configuration steps that are necessary to activate the serial-to-Ethernet application. With this fast 3-step web-based configuration, a user only needs to spend an average of 30 seconds to complete the NPort® settings and enable the application, saving a great amount of time and effort. Easy to Troubleshoot NPort® 5100A device servers support SNMP, which can be used to monitor all units over Ethernet. Each unit can be configured to send trap messages automatically to the SNMP manager when user-defined errors are encountered. For users who do not use SNMP manager, an email alert 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- 10/100BaseT(X) Ports (RJ45 connector): 1- Magnetic Isolation Protection: 1.5 kV (built-in) Ethernet Software Features- Configuration Options: Windows Utility, Web Console (HTTP/HTTPS), Device Search Utility (DSU), MCC Tool, Telnet Console, Serial Console (NPort 5110A/5150A models only)- Management: DHCP Client, ARP, BOOTP, DNS, HTTP, HTTPS, ICMP, IPv4, LLDP, SMTP, SNMPv1/v2c, TCP/IP, Telnet, UDP- Filter: IGMP v1/v2- 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- Linux Real TTY Drivers: Kernel versions: 2.4.x, 2.6.x, 3.x, 4.x, and 5.x- Fixed TTY Drivers: macOS 10.12, macOS 10.13, macOS 10.14, macOS 10.15, 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 later- MIB: RFC1213, RFC1317 Security Functions- Authentication: Local database- Encryption: HTTPS, AES-128, SHA-1, RSA-1024, SHA-256- Security Protocols: HTTPS (TLS 1.2) Serial Interface- Connector: DB9 male- No. of Ports: 1- Serial Standards: NPort 5110A: RS-232, NPort 5130A: RS-422, RS-485, NPort 5150A: 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: RTS/CTS (RS-232 only), DTR/DSR (RS-232 only), XON/XOFF- Pull High/Low Resistor for RS-485: 1 kilo-ohm, 150 kilo-ohms- RS-485 Data Direction Control: NPort 5150A/5150A-T/5130A/5130A-T: ADDC (automatic data direction control)- Terminator for RS-485: 120 ohms Serial Signals- RS-232: Tx, D, Rx, D, 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- No. of Power Inputs: 1- Input Current: NPort 5110A: 82.5 mA @ 12 VDC, NPort 5130A: 89.1 mA @ 12 VDC, NPort 5150A: 92.4 mA @ 12 VDC- Input Voltage: 12 to 48 VDC- Source of Input Power: Power input jack Reliability- Automatic Reboot Trigger: Built-in WDT Physical Characteristics- Housing: Metal- Dimensions (with ears): 75.2 x 80 x 22 mm (2.96 x 3.15 x 0.87 in)- Dimensions (without ears): 52 x 80 x 22 mm (2.05 x 3.15 x 0.87 in)- Weight: 340 g (0.75 lb)- Installation: Desktop, DIN-rail mounting (with optional kit), Wall mounting 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 EMI- 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: 1 kV- IEC 61000-4-5 Surge: Power: 2 kV; Signal: 0.5 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- Safety: UL 60950-1 Declaration- Green Product: RoHS, CRoHS, WEEE MTBF- Time: 2,231,530 hrs- Standards: Telcordia (Bellcore) Standard TR/SR

Specifications

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prices and availability

