

NPort 5110

1-port RS-232 Serial Device Servers



Features

- Low cost; credit card size
- Real COM/TTY driver for Windows and Linux
- Versatile socket operation modes, including TCP Server, TCP Client, UDP Server/Client, and Ethernet Modem
- Pair Connection mode for connecting two serial devices over a network without a PC
- Easy-to-use Windows Utility for mass installation
- Built-in 15 KV ESD protection for all serial signals
- SNMP MIB-II for network management
- Configuration via Web/Telnet/Serial console



Connect Serial Devices to Ethernet

NPort 5110 serial device server is designed to make your industrial serial devices Internet ready instantly for POS and secure market applications. The compact size of NPort 5110 makes it the ideal choice for connecting your RS-232 serial

device, such as a card reader or payment terminal, to an IP-based Ethernet LAN, making it possible for your software to access serial devices located anywhere on a local LAN or the Internet.

Standard TCP/IP Interface and Versatile Operation Modes

NPort 5110 serial device server provides TCP Server, TCP Client, UDP Server/Client, Pair Connection, and Ethernet Modem modes, ensuring the compatibility of network

software that uses a standard network API (Winsock, BSD Sockets).

Real COM/TTY Drivers for Existing Software

Thanks to NPort's Real COM/TTY drivers, software that works with COM/TTY ports can now work on a TCP/IP network in no time. This excellent feature preserves your software

investment and lets you enjoy the benefits of networking your serial devices instantly.

Ordering Information

NPort 5110-US: 1-port RS-232 Device Server, 110 VAC, US plug

NPort 5110-EU: 1-port RS-232 Device Server, 240 VAC, Euro plug

NPort 5110-UK: 1-port RS-232 Device Server, 240 VAC, UK plug

NPort 5110-JP: 1-port RS-232 Device Server, 100 VAC, US plug

NPort 5110-SAA: 1-port RS-232 Device Server, 240 VAC, Australia plug

NPort 5110-CN: 1-port RS-232 Device Server, 240 VAC, US plug

All items include

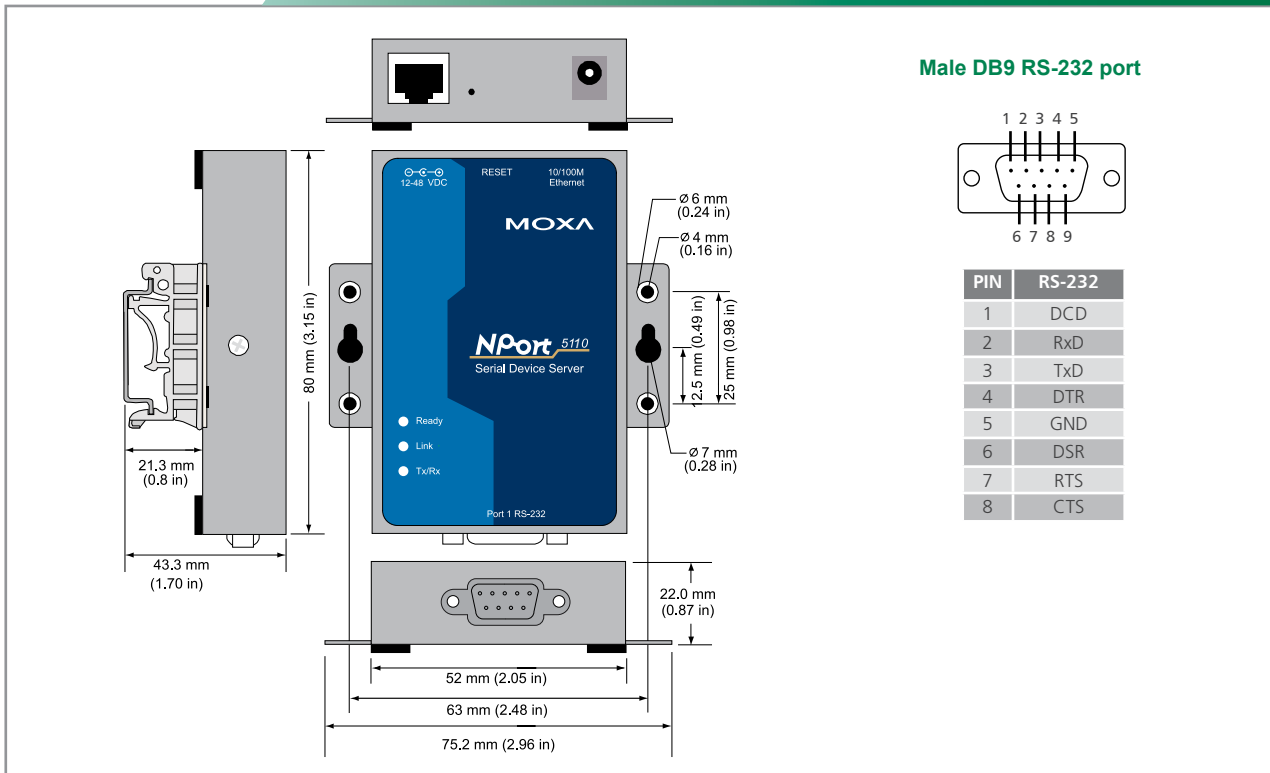
- 1 NPort 5110 serial device server
- Power Adaptor

- Quick Installation Guide
- NPort Document and Software CD-ROM

Optional Accessories

DK-35A: DIN-Rail Mounting Kit (35 mm)

Dimensions



Specifications

LAN

Ethernet: 10/100 Mbps, RJ45, Auto MDI/MDIX

Protection: Built-in 1.5 KV magnetic isolation

Serial

Interface: RS-232

No. of Ports: 1

Port Type: Male DB9

Signals: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND

Serial Line Protection: 15 KV ESD for all signals

Serial Communication Parameters

Parity: None, Even, Odd, Space, Mark

Data bits: 5, 6, 7, 8

Stop bits: 1, 1.5, 2

Flow control: RTS/CTS, XON/XOFF

Speed: 110 bps to 230.4 Kbps

Console Ports: RS-232 console

Software Features

Protocols: ICMP, IP, TCP, UDP, DHCP, BootP, Telnet, DNS, SNMP, HTTP, SMTP

Utilities: NPort Administration Suite for Windows 95/98/ME/NT/2000/XP/2003

OS Driver Support: Windows 95/98/ME/NT/2000/XP/2003/XP x64/2003 x64 COM driver, Linux real TTY driver, SCO Unix, SCO OpenServer 5, UnixWare 7, UnixWare 2.1.x, SVR4.2, QNX

Configuration:

Web/Serial/Telnet console, or Windows utility

Power Requirements

Power input: 12 to 48 VDC

Power Consumption: 128.7 mA@12V, 72 mA @24V

Power Line protection:

1 KV Burst (EFT), EN61000-4-4

0.5 KV Surge, EN61000-4-5

Mechanical Specifications

Material: Aluminum (1 mm)

Environmental

Operating Temperature:

0 to 55°C (32 to 131°F), 5 to 95% RH

Storage Temperature:

-20 to 85°C (-4 to 185°F), 5 to 95%RH

Regulatory Approvals

EMC:

CE: EN55022 Class A/EN55024

FCC: FCC Part 15 Subpart B, Class A

Safety:

UL: UL60950-1

TÜV: EN60950-1

Warranty: 5 years