NPort 5110

1-Port RS-232 Serial Device Servers

NPort 5110

Features

- **Low cost; credit card size**
- **Make your serial device Internet ready**
- **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**
- **Auto-detecting 10/100 Mbps Ethernet**
- **Built-in 15 KV ESD protection for all serial signals**
- **SNMP MIB-II for network management**
- **Configuration via Web/Telnet/Serial console**
- **Configuration utility automatically finds NPort devices on the network**

CE FC c(UL)us LISTED TÜV Rheinland Product Safety BAUART GEPRÜFT TYPE APPROVED

Connect Serial Devices to Ethernet

NPort 5110 serial device server is designed to make your industrial serial devices Internet ready instantly for POS and security market applications. The compact size of NPort 5110 device server 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, 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 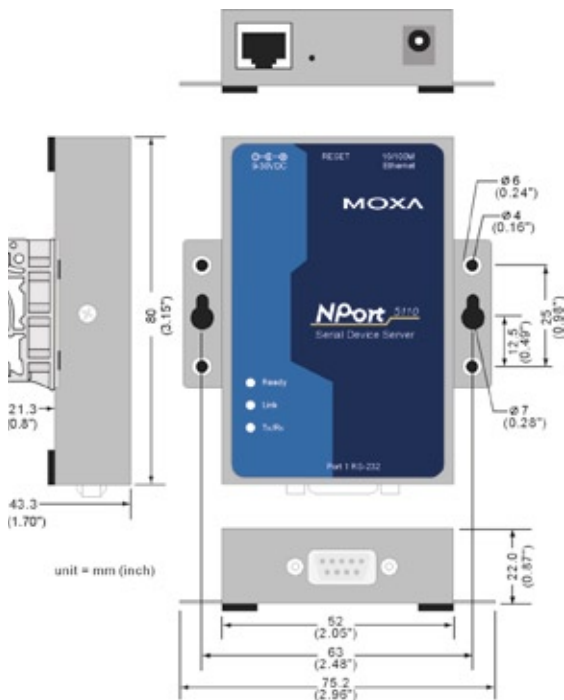excellent feature preserves your software investment and lets you enjoy the benefits of networking your serial devices instantly.

Easy installation and configuration

NPort 5110 serial device server supports automatic IP configuration protocols (DHCP, BootP) and manual configuration through the Web console, Telnet console, Serial console, and Utility. All methods ensure quick and effective installation. And with Windows Utility (NPort Administrator Suite), your installation job becomes more pleasant than ever, since all system parameters can be stored and copied to many other device servers.

Dimensions

unit = mm (inch)

Specifications

LAN

Ethernet: 10/100 Mbps, RJ45
Protection: Built-in 1.5 KV magnetic isolation

Serial

No. of ports: 1 RS-232 port
RS-232 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

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
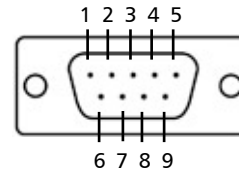**NPort 5110-SAA**
1-port RS-232 Device Server, 240 VAC, Australia plug
NPort 5110-CN
1-port RS-232 Device Server, 240 VAC, US plug

Pin Assignment

Male DB9 RS-232 port

PIN	RS-232
1	DCD
2	RxD
3	TxD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS

Specifications

Software Features

Protocols: ICMP, IP, TCP, UDP, DHCP, BootP, Telnet, DNS, SNMP, HTTP, SMTP
Utilities: NPort Administrator Suite for Windows 95/98/ME/NT/2000/XP/2003
Real COM/TTY Drivers: Windows 95/98/ME/NT/2000/XP/2003 COM driver, Linux real TTY driver, Unix Fixed TTY driver
Configuration: Web browser, serial/Telnet console, or Windows utility

Power Requirements

Power input: 9-30 VDC
Power Consumption: 165 mA@12V, 95 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: FCC Class A, CE Class A
Safety: UL, CUL, TÜV

All item includes

- 1 NPort 5110 serial device server
- Power Adaptor
- Quick Installation Guide
- NPort Documentation and Software CD-ROM

Optional Accessories

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

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