

# NPort 5110 Series

## 1-Port RS-232 Serial Device Servers

### 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



### 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

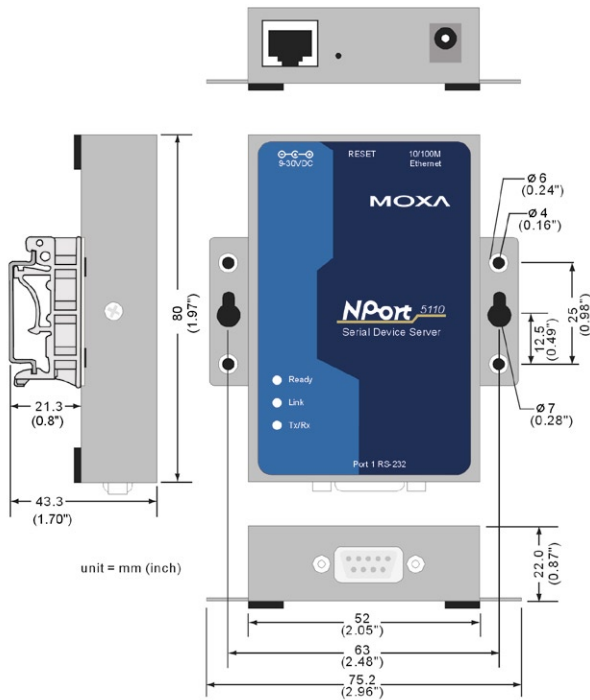
and lets you enjoy the benefits of networking your serial devices instantly.

### 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



## 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:** Tx/D, Rx/D, 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

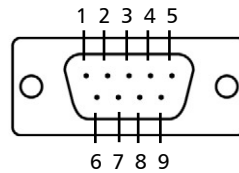
### NPort 5110-SAA

1-port RS-232 Device Server, 240 VAC, Australia plug

### NPort 5110-CN

1-port RS-232 Device Server, 240 VAC, US plug

### 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:

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

2 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)