

# 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 (Winsoc, 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

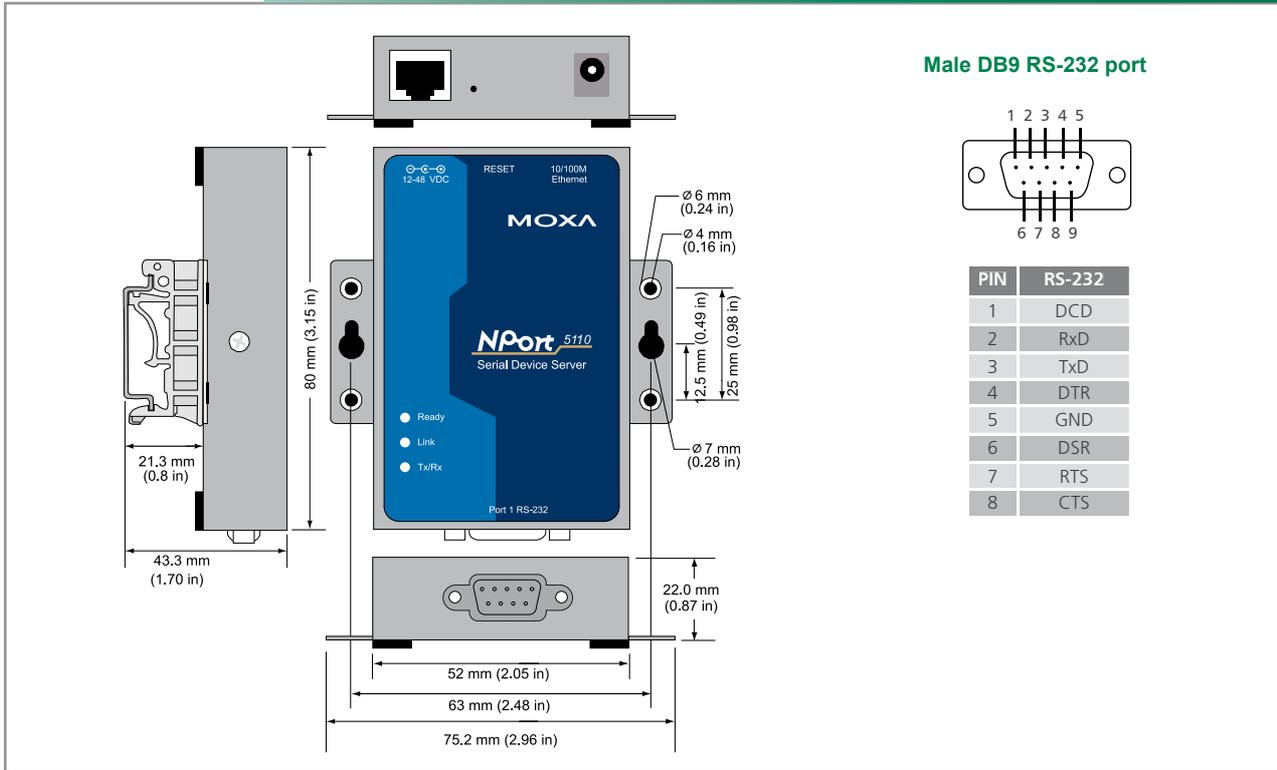
- 1 NPort 5110 serial device server
- Power Adaptor

- 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



**Headquarter Germany:**  
 SPHINX Computer Vertriebs GmbH  
 Phone: +49 (0) 6201 75437  
 www.sphinxcomputer.de  
 mail@sphinxcomputer.de

**Subsidiary Germany:**  
 SPHINX Connect GmbH  
 Phone: +49 (0) 711 7287 5750  
 www.sphinxconnect.de  
 mail@sphinxconnect.de

**Subsidiary Austria:**  
 S-Connect Vertriebs GmbH  
 Phone: +43 (1) 504 84 78 0  
 www.s-connect.at  
 mail@s-connect.at

**Subsidiary Switzerland:**  
 SPHINX Connect GmbH  
 Phone: +41 (0) 41 767 30 80  
 www.sphinxgroup.ch  
 mail@sphinxgroup.ch

**Subsidiary France:**  
 SPHINX Connect France  
 Phone: +33 (0) 2 51 09 26 60  
 www.sphinxconnect.fr  
 mail@sphinxconnect.fr

**Subsidiary Great Britain:**  
 S-Connect Ltd.  
 Phone: +44 (0) 1276 203 10  
 www.s-connect.ltd.uk  
 mail@s-connect.ltd.uk

**Subsidiary Denmark:**  
 S-Connect Danmark ApS  
 Phone: +45 86 205 151  
 www.s-connect.dk  
 info@s-connect.dk

**Branch Offices Spain/Belgium:**  
 Spain Phone: +34 913 109 823  
 mail@s-connect-espana.com  
 Belgium Phone: +32 26 39 39 48  
 benelux@sphinxconnect.com