

# NPort 6150 Series

## 1-port Secure Serial Device Servers



### Features

- Make your serial devices Internet ready
- Versatile socket operating modes, including TCP Server, TCP Client, UDP, Pair Connection, Real COM driver, and RFC2217
- Secure Ethernet Data mode for TCP Server, TCP Client, Pair connection, and Real COM driver
- Any Baudrate mode for more precise baudrates
- 2- or 4-wire RS-485 with patented ADDC™ (Automatic Data Direction Control)
- Supports 802.3af (Power Over Ethernet)
- Enhanced remote configuration via HTTPS and SSH
- Port buffering prevents serial data loss when Ethernet is off-line



### Overview

NPort 6150 supports SSL and SSH connections, which means that NPort 6150 can be used to connect a serial device to Ethernet with encryption. The 3-in-1 serial port supports

RS-232, RS-422, and RS-485, with the desired interface selected when NPort 6150 is configured.

### Secure Data Transmission

Information security is one of the most important concerns when connecting serial devices to Ethernet. NPort 6150 supports SSL and SSH protocols, which ensure that serial data

is sent over a secure TCP/IP Ethernet connection. Users can rest assured that their serial data is transmitted securely over the network.

### Ordering Information

**NPort 6150-US:** 1-port RS-232/422/485 to Ethernet Secure Device Server, 110 VAC, US Plug

**NPort 6150-EU:** 1-port RS-232/422/485 to Ethernet Secure Device Server, 240 VAC, Euro Plug

**NPort 6150-UK:** 1-port RS-232/422/485 to Ethernet Secure Device Server, 240 VAC, UK Plug

**NPort 6150-JP:** 1-port RS-232/422/485 to Ethernet Secure Device Server, 100 VAC, US Plug

**NPort 6150-SAA:** 1-port RS-232/422/485 to Ethernet Secure Device Server, 240 VAC, Australian Plug

**NPort 6150-CN:** 1-port RS-232/422/485 to Ethernet Secure Device Server, 240 VAC, US Plug

#### All items include

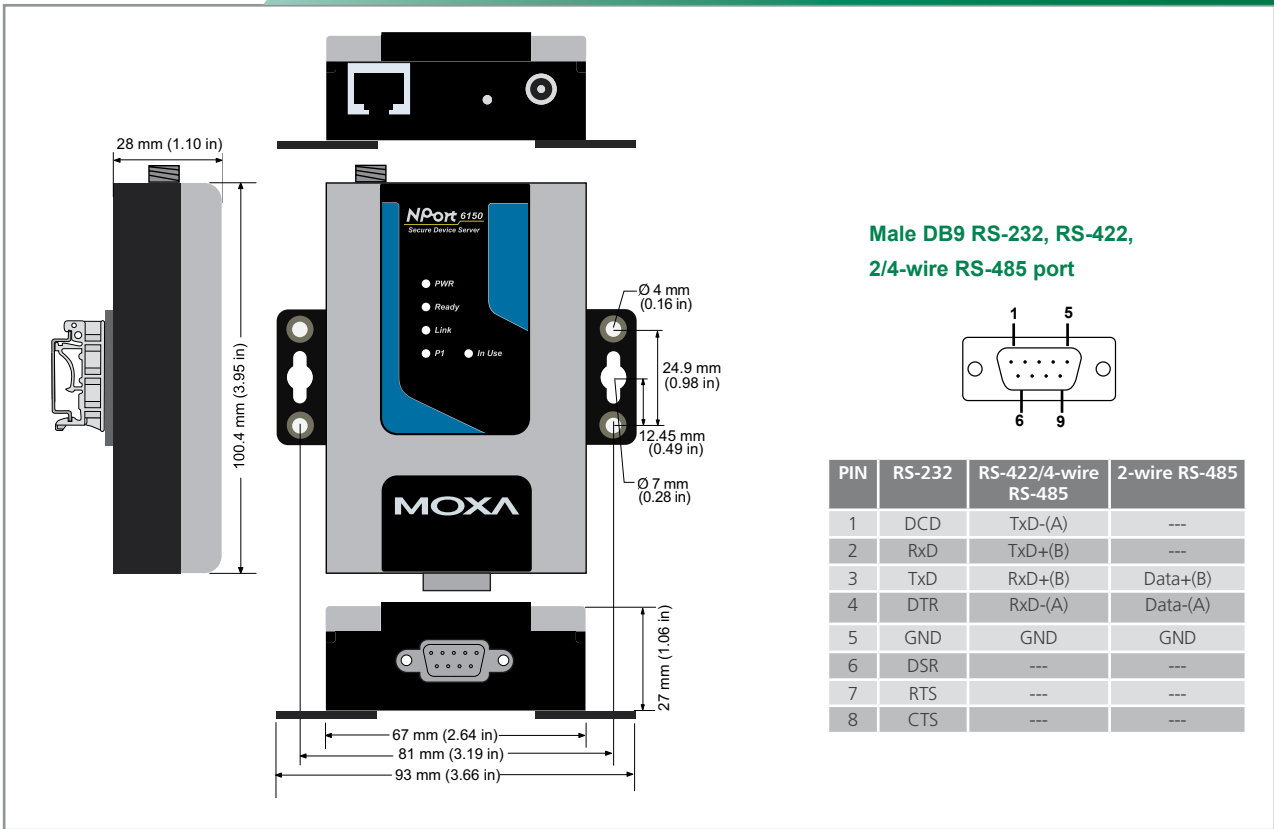
- 1 NPort 6150
- Document and Software CD-ROM
- Power Adaptor

#### Optional Accessories

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

**NP21101:** DB25(M) to DB9(F) RS-232 Cable, 30 cm

## Dimensions



Male DB9 RS-232, RS-422,  
2/4-wire RS-485 port

PIN	RS-232	RS-422/4-wire RS-485	2-wire RS-485
1	DCD	TxD-(A)	---
2	RxD	TxD+(B)	---
3	TxD	RxD+(B)	Data+(B)
4	DTR	RxD-(A)	Data-(A)
5	GND	GND	GND
6	DSR	---	---
7	RTS	---	---
8	CTS	---	---

## Specifications

### LAN

**Ethernet:** 1 10/100 Mbps, RJ45

**Protection:** Built-in 1.5 KV magnetic isolation

### Serial

**No. of ports:** 1

**Interface:** RS-232/422/485, Male DB9

### 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:** 50 bps to 921.6 Kbps

**Console Ports:** RS-232 console

### Software Features

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

**Utilities:** NPort Search Utility 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, Unix

**Configuration:** Web/Serial/Telnet console

### Power Requirements

**Power input:** 12 to 48 VDC

### 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