

NPort 6450

4-port Secure Terminal Server



Features

- LCD control panel for IP address configuration
- Versatile socket operating modes, including TCP Server, TCP Client, UDP, Pair Connection, Real Com driver, and RFC2217
- Secure modes for TCP Server, TCP Client, Pair Connection, and Real COM
- Any baudrate supported with high precision
- 10/100BaseTx Ethernet port supporting 802.3af Power Over Ethernet (POE) - under development
- Port buffers to hold serial data when Ethernet is off-line
- SD slot for optional expansion of port buffers
- Slot for network expansion module



Overview

The NPort 6450 is a secure device server with 4 RS-232/422/485 serial ports. Serial devices of any type can be connected to the NPort

6450, with all four devices using the same IP address. The Ethernet port can be configured for a normal or a secure TCP/IP connection.

Ordering Information

NPort 6450: 4-port RS-232/422/485 to Ethernet Secure Terminal Server

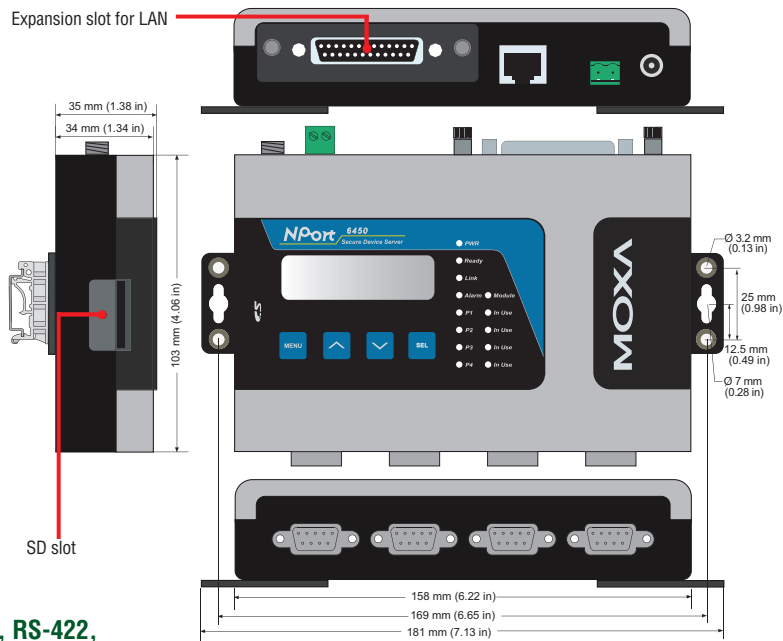
Package Checklist

- 1 NPort 6450
- Quick Installation Guide
- Document and Software CD-ROM
- Power Adaptor

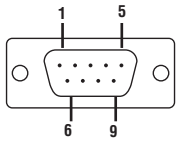
Optional Accessories

- DK-35A:** DIN-Rail Mounting Kit (35 mm)
- Network Module:** See page 12-11

Dimensions (unit = mm)



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



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

Specifications

LAN

Ethernet: 1 10/100 Mbps, RJ45

Protection: Built-in 1.5 KV magnetic isolation

Optical Fiber (Network Module)

Distance:

Multi Mode: 0 to 2 km, 1310 nm (62.5/125 μm, 500 MHz*km)

Single Mode: 0 to 40 km, 1310 nm (9/125 μm, 3.5 PS/(nm*km))

Min. TX Output

Multi Mode: -20 dBm

Single Mode: 0 to 40 km, -5 dBm

Max. TX Output

Multi Mode: -14 dBm

Single Mode: 0 to 40 km, 0 dBm

Sensitivity

Multi Mode: -34 to -30 dBm

Single Mode: -36 to -32 dBm

Serial

No. of Ports: 4

Interface: RS-232/422/485, DB9 (Male)

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 x 1 (port 1)

Storage: One SD slot

Software Features

Protocols: ICMP, IP, TCP, UDP, DHCP, BOOTP, Telnet, DNS, SNMP, HTTP, SMTP, ARP, SSH, SSL, PPPoE, DDNS, RIP

Utilities: Windows utility for Windows 98/ME/2000/XP/2003/XP x64/2003 x64/Vista x64

Security Protocols: DES, 3DES, AES, Radius, Local, PAP, CHAP

OS Driver Support: Windows 95/98/ME/NT/2000/XP/2003/XP x64/2003 x64/Vista x64 COM driver

Configuration: Web/serial/Telnet console

Power Requirements

Power Input: 12 to 48 VDC

Mechanical Specifications

Material: SECC sheet metal (0.8 mm)

Gross Weight: 1020g

Environment

Operating Temperature: 0 to 55°C (32 to 131°F), 5 to 95% RH

Storage Temperature: -20 to 70°C (-4 to 158°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