

NPort 6250 Series

2-port Secure Terminal Server



Features

- Easy way to make serial devices Internet ready
- Versatile socket operating modes, including TCP Server, TCP Client, UDP, Pair Connection, Real COM, and RFC2217
- Secure modes for TCP Server, TCP Client, Pair Connection, and Real COM
- Any baudrate supported with high precision
- 10/100BaseTX RJ45 port or 100BaseFX port (SC connector, single/multi mode)
- Port buffers to hold serial data when Ethernet is off-line
- SD slot for optional expansion of port buffers



Overview

The NPort 6250's two serial ports can be independently configured for RS-232, RS-422, or RS-485 communication. Both 2-wire and 4-wire

RS-485 are supported. Models are available for both copper and fiber (single-mode or multi-mode) Ethernet ports.

No Data Loss if Ethernet Connection Fails

The NPort 6250 is a reliable device server that provide users with secure serial-to-Ethernet data transmission and a customer-oriented hardware design. If the Ethernet connection fails, the NPort 6250 will queue all serial data in its internal 64 KB port buffer. When the

Ethernet connection is re-established, the NPort 6250 will immediately release all data in the buffer in the order that it was received. Users can increase the port buffer size by installing an SD card.

Ordering Information

NPort 6250: 2-port RS-232/422/485 to Ethernet Secure Terminal Server

NPort 6250-M-SC: 2-port RS-232/422/485 to one Multi Mode Fiber Ethernet Secure Terminal Server

NPort 6250-S-SC: 2-port RS-232/422/485 to one Single Mode Fiber Ethernet Secure Terminal Server

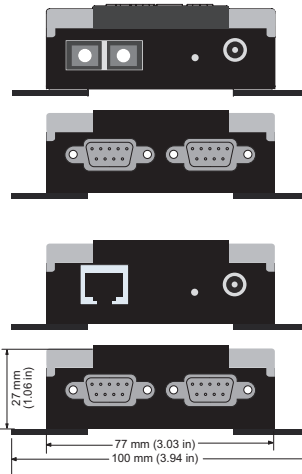
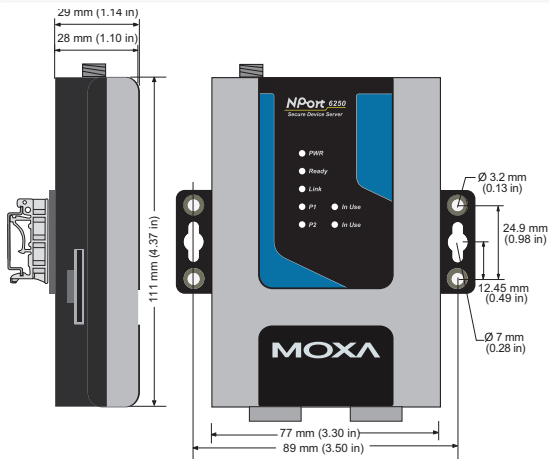
Package Checklist

- 1 NPort 6250
- Quick Installation Guide
- Document and Software CD-ROM
- Power Adaptor

Optional Accessories

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

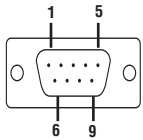
Dimensions (unit = mm)



NPort 6250-M-SC/6250-S-SC

NPort 6250

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)

PIN	RS-232	RS-422/ 4-wire RS-485	2-wire RS-485
5	GND	GND	GND
6	DSR	---	---
7	RTS	---	---
8	CTS	---	---

Specifications

LAN

NPort 6250-S-SC/NPort 6250-M-SC

Fiber Port: 1 100BaseFX port (SC connector)

NPort 6250

Ethernet: 1 10/100 Mbps, RJ45

Protection: Built-in 1.5 KV magnetic isolation

Optical Fiber

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: 2

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

Serial Communication Parameters

Parity: None, Even, Odd, Space, Mark

Data Bits: 5, 6, 7, 8

Stop Bit(s): 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: Aluminum (1 mm)

Gross Weight: 730g

Environment

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

MTBF:

NPort 6250: 226128 hours

NPort 6250-M: 225762 hours

NPort 6250-S: 225762 hours