

NPort 5600-DT 系列

8 埠 RS-232/422/485 串列設備伺服器



特色與優點

- 支援 RS-232/422/485 的 8 個串列埠
- 小巧的桌上型設計
- 10/100M 自動感測乙太網路
- 使用 LCD 面板輕鬆設定 IP 位址
- 透過 Telnet、網頁瀏覽器或 Windows 工具程式進行設定
- 通訊端模式：TCP server、TCP client、UDP、Real COM
- 用於網路管理的 SNMP MIB-II

認證



簡介

NPort 5600-8-DT 設備伺服器可以藉由方便且透通的方式將 8 台串列設備連接到乙太網路，僅需透過基本配置將現有的串列設備連上乙太網路。您可以集中管理串列設備，也可以透過網路分發管理主機。由於 NPort 5600-8-DT 設備伺服器的外型比 Moxa 19 吋機型小，對於需要額外的串列埠，但卻沒有安裝軌道可用的應用環境而言，是最佳的選擇。

RS-485 應用的簡便設計

NPort 5650-8-DT 設備伺服器提供 1 kΩ 和 150 kΩ 上拉/下拉電阻和 120 Ω 終端器可選。在某些嚴苛環境中，可能需要終端電阻來防止串列訊號的反射。使用終端電阻時，必須正確設定上拉/下拉電阻，以防止電器訊號被破壞。因為沒有電阻值可以相容於所有的環境，因此 Nport 5600-8-DT 設備伺服器使用 DIP 開關來允許使用者手動調整每個串列埠的終端器和上拉/下拉電阻值。

方便的電源輸入

NPort 5650-8-DT 設備伺服器支援電源接線端子模組和電源插孔，不僅方便使用，而且使用上有更大的彈性。使用者可以將接線端子模組直接連接到直流電源，也可以使用電源插孔透過轉接器連接到交流電路。

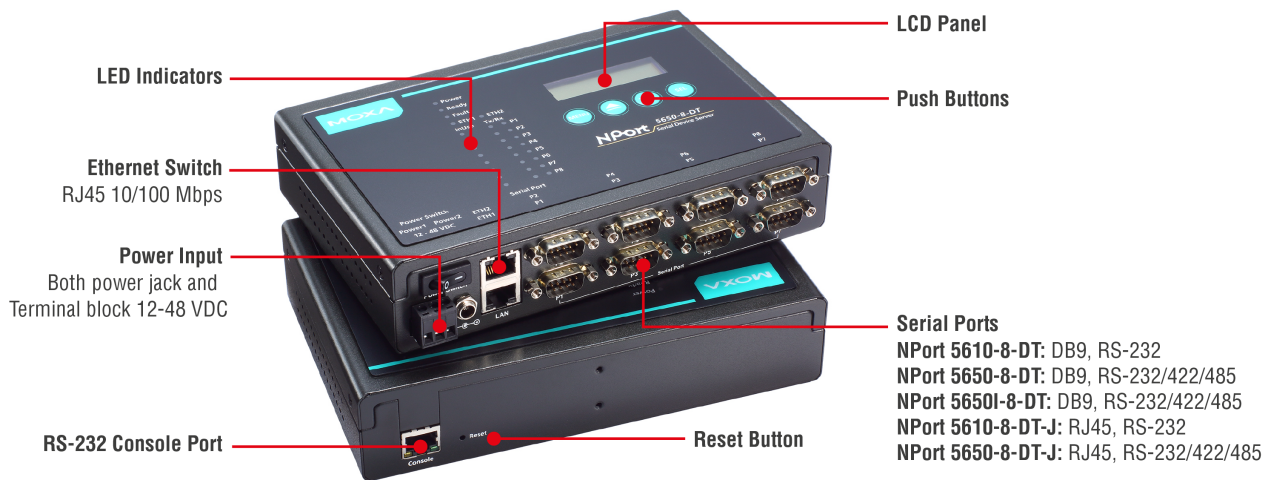
LED 指示燈可簡化維護任務

系統 LED、串列 Tx/Rx LED 和乙太網路 LED（位於 RJ45 連接器上）是相當適合設備進行基本維護的工具，並協助工程師直接在現場分析問題。NPort 5600 的 LED 不僅可顯示目前系統和網路狀態，而且也協助現場工程師監控已連接的串列設備狀態。

便於串聯接線的兩個乙太網路連接埠

NPort 5600-8-DT 設備伺服器具有兩個乙太網路連接埠，可做為乙太網路交換器連接埠。將一個連接埠連接到網路或伺服器，將另一個連接埠連接到另一台乙太網路設備。雙乙太網路連接埠無需將每個裝置個別連接到單獨的乙太網路交換器，藉以降低接線成本。

外觀



規格

Ethernet Interface

10/100BaseT(X) Ports (RJ45 connector)	2
Magnetic Isolation Protection	1.5 kV (built-in)

Ethernet Software Features

Configuration Options	Serial Console, Telnet Console, Web Console (HTTP/HTTPS), Windows Utility
Management	ARP, BOOTP, DHCP Client, DNS, HTTP, HTTPS, ICMP, IPv4, LLDP, Rtelnet, SMTP, SNMPv1/v2c, TCP/IP, Telnet, UDP
Filter	IGMP v1/v2
MIB	RFC1213, RFC1317
Time Management	SNTP
Windows Real COM Drivers	Windows 95/98/ME/NT/2000, Windows XP/2003/Vista/2008/7/8/8.1/10 (x86/x64), Windows 2008 R2/2012/2012 R2/2016/2019 (x64), Windows Embedded CE 5.0/6.0, Windows XP Embedded
Linux Real TTY Drivers	Kernel versions: 2.4.x, 2.6.x, 3.x, 4.x, and 5.x
Fixed TTY Drivers	SCO UNIX, SCO OpenServer, SCO UnixWare 7, Sun Solaris 10, QNX 4.25, QNX 6.x, Solaris 10, FreeBSD, AIX 5.x, HP-UX 11i, Mac OS X, macOS 10.12, macOS 10.13, macOS 10.14, macOS 10.15
Android API	Android 3.1.x and later

Serial Interface

Connector	8-pin RJ45: NPort 5610-8-DT-J/5650-8-DT-J DB9 male: NPort 5610-8-DT models/NPort 5650-8-DT models/NPort 5650I-8-DT models
No. of Ports	8
Serial Standards	NPort 5610-8-DT Models: RS-232 NPort 5650-8-DT Models: RS-232/422/485
Baudrate	Supports standard baudrates (unit=bps): 50, 75, 110, 134, 150, 300, 600, 1200, 1800, 2400, 4800, 7200, 9600, 19200, 38400, 57600, 115200, 230.4k, 460.8k, 921.6k
Data Bits	5, 6, 7, 8

Stop Bits	1, 1.5, 2
Parity	None, Even, Odd, Space, Mark
Flow Control	RTS/CTS, DTR/DSR, XON/XOFF
Pull High/Low Resistor for RS-485	1 kilo-ohm, 150 kilo-ohms
Terminator for RS-485	120 ohms
RS-485 Data Direction Control	ADDC® (automatic data direction control)
Isolation	-I models: 2 kV
Surge	0.5 kV
Console Port	RS-232 (TxD, RxD, GND), 3-pin (19200, n, 8, 1)

Serial Signals

RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
RS-422	Tx+, Tx-, Rx+, Rx-, GND
RS-485-4w	Tx+, Tx-, Rx+, Rx-, GND
RS-485-2w	Data+, Data-, GND

Power Parameters

Input Current	NPort 5610-8-DT/NPort 5610-8-DT-J/NPort 5610-8-DT-T: 611 mA @ 12 VDC NPort 5650-8-DT/NPort 5650-8-DT-J/NPort 5650-8-DT-T: 615 mA @ 12 VDC NPort 5650I-8-DT/NPort 5650I-8-DT-T: 1066 mA @ 12 VDC
No. of Power Inputs	2
Input Voltage	12 to 48 VDC
Reverse Polarity Protection	Supported

Reliability

Automatic Reboot Trigger	Built-in WDT
Alert Tools	Built-in buzzer and RTC (real-time clock)

Physical Characteristics

Housing	Metal
Dimensions (with ears)	229 x 46 x 125 mm (9.01 x 1.81 x 4.92 in)
Dimensions (without ears)	197 x 44 x 125 mm (7.76 x 1.73 x 4.92 in)
Dimensions (with DIN-rail kit on bottom panel)	197 x 53 x 125 mm (7.76 x 2.09 x 4.92 in)
Weight	NPort 5610-8-DT: 1,570 g (3.46 lb) NPort 5610-8-DT-J: 1,520 g (3.35 lb) NPort 5610-8-DT-T: 1,320 g (2.91 lb) NPort 5650-8-DT: 1,590 g (3.51 lb) NPort 5650-8-DT-J: 1,540 g (3.40 lb) NPort 5650-8-DT-T: 1,340 g (2.95 lb) NPort 5650I-8-DT: 1,660 g (3.66 lb) NPort 5650I-8-DT-T: 1,410 g (3.11 lb)
Installation	Desktop, DIN-rail mounting (with optional kit), Wall mounting (with optional kit)
Interactive Interface	LCD panel display (standard temp. models only) Push buttons for configuration (standard temp. models only)

Environmental Limits

Operating Temperature	Standard Models: 0 to 60°C (32 to 140°F) Wide Temp. Models: -40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 75°C (-40 to 167°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

Standards and Certifications

EMC	EN 55032/35
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 0.5 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 0.5 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m; Signal: 3 V/m IEC 61000-4-8 PFMF IEC 61000-4-11
Safety	UL 60950-1, IEC 62368-1

Declaration

Green Product	RoHS, CRoHS, WEEE
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MTBF

Time	836,374 hrs
Standards	Telcordia (Bellcore) Standard

Warranty

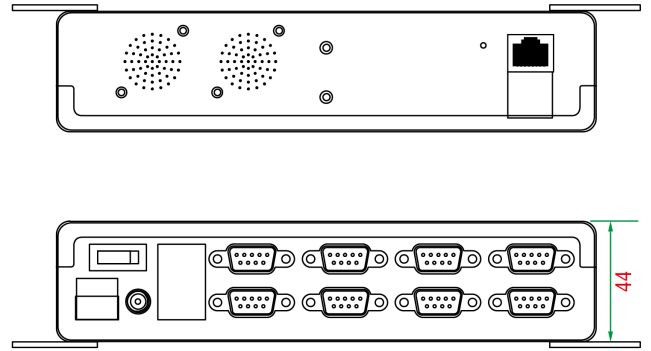
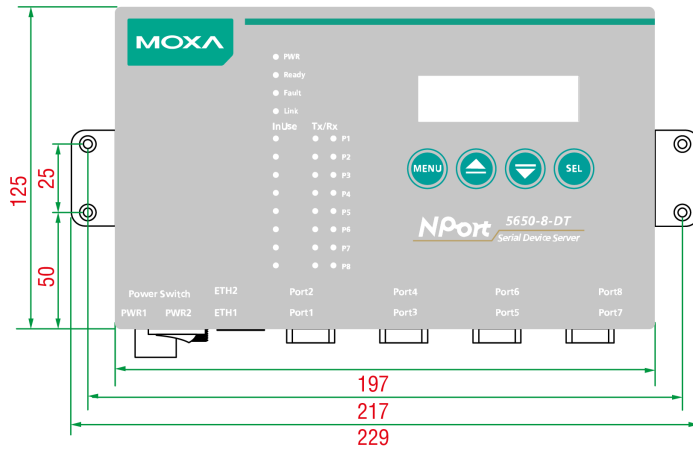
Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

Package Contents

Device	1 x NPort 5600-DT Series device server
Installation Kit	1 x wall-mounting kit
Cable	1 x Ethernet, RJ45
Power Supply	1 x power adapter, suitable for your region
Documentation	1 x quick installation guide 1 x warranty card

尺寸

單位：公釐



訂購資訊

Model Name	Serial Interface	Serial Interface Connector	Serial Interface Isolation	Operating Temp.	Input Voltage
NPort 5610-8-DT	RS-232	DB9	-	0 to 55°C	12 to 48 VDC
NPort 5610-8-DT-T	RS-232	DB9	-	-40 to 75°C	12 to 48 VDC
NPort 5610-8-DT-J	RS-232	8-pin RJ45	-	0 to 55°C	12 to 48 VDC
NPort 5650-8-DT	RS-232/422/485	DB9	-	0 to 55°C	12 to 48 VDC
NPort 5650-8-DT-T	RS-232/422/485	DB9	-	-40 to 75°C	12 to 48 VDC
NPort 5650-8-DT-J	RS-232/422/485	8-pin RJ45	-	0 to 55°C	12 to 48 VDC
NPort 5650I-8-DT	RS-232/422/485	DB9	2 kV	0 to 55°C	12 to 48 VDC
NPort 5650I-8-DT-T	RS-232/422/485	DB9	2 kV	-40 to 75°C	12 to 48 VDC

配件 (選購)

DIN-Rail Mounting Kits

DK35A	DIN-rail mounting kit, 35 mm
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Wall-Mounting Kits

WK-35-04	2 plates (35 x 44 x 2.5mm) with 6 screws (FTSx6 M3x4mm)
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Power Adapters

PWR-12300-WPAU-S1	Locking barrel plug, 12 VDC, 3 A, 100 to 240 VAC, Australia (AU) plug, 0 to 40°C operating temperature
PWR-12300-WPCN-S1	Locking barrel plug, 12 VDC, 3 A, 100 to 240 VAC, China (CN) plug, 0 to 40°C operating temperature
PWR-12300-WPEU-S1	Locking barrel plug, 12 VDC, 3 A, 100 to 240 VAC, Continental Europe (EU) plug, 0 to 40°C operating temperature
PWR-12300-WPUK-S1	Locking barrel plug, 12 VDC, 3 A, 100 to 240 VAC, United Kingdom (UK) plug, 0 to 40°C operating temperature
PWR-12300-WPUSJP-S1	Locking barrel plug, 12 VDC, 3 A, 100 to 240 VAC, United States/Japan (US/JP) plug, 0 to 40°C operating temperature

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