

NPort 5600-DTL 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
- 透過 Telnet、網頁瀏覽器或 Windows 工具程式進行設定
- 支援 Real COM 和 TCP server、TCP client、UDP socket 模式
- 用於網路管理的 SNMP MIB-II

認證



簡介

NPort® 5600-8-DTL 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裝置聯網。您可以集中管理串列設備連上乙太網路，也可以透過網路分發管理主機。NPort® 5600-8-DTL 設備伺服器的外型比 19 吋機型更小，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。

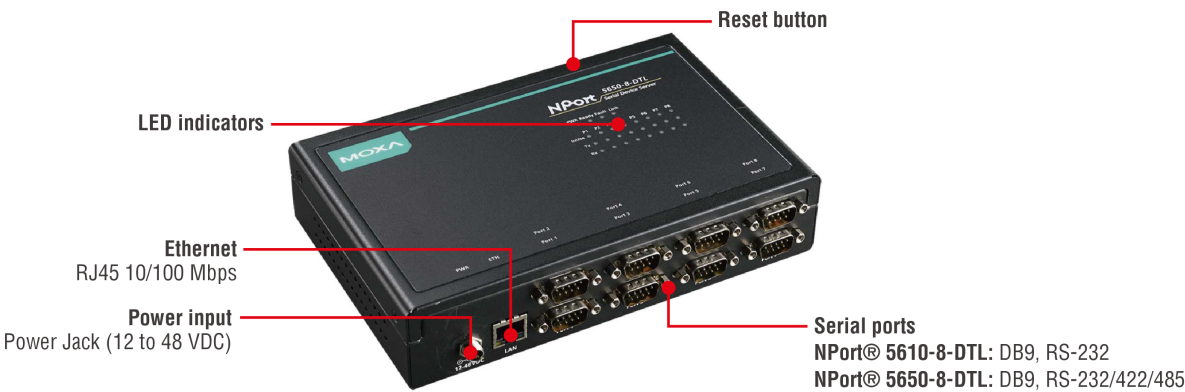
RS-485 應用的簡便設計

NPort® 5650-8-DTL 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-DTL 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。

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。

外觀



規格

Ethernet Interface

10/100BaseT(X) Ports (RJ45 connector)	1
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, Telnet, TCP/IP, UDP
Filter	IGMP v1/v2
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 (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, UnixWare 7, QNX 4.25, QNX 6.x, Solaris 10, FreeBSD, AIX 5.x, HP-UX 11i, Mac OS X
Android API	Android 3.1.x and later
MIB	RFC1213, RFC1317
Time Management	SNTP

Serial Interface

Connector	DB9 male
No. of Ports	8
Serial Standards	NPort 5610-8-DTL Series: RS-232 NPort 5650-8-DTL Series: RS-232, RS-422, RS-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
Isolation	NPort 5650I-8-DTL Series: 2 kV
Pull High/Low Resistor for RS-485	1 kilo-ohm, 150 kilo-ohms
RS-485 Data Direction Control	ADDC® (automatic data direction control)
Terminator for RS-485	NPort 5650 Series: 120 ohms

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-DTL Series: 340 mA @ 12 VDC NPort 5650-8-DTL Series: 470 mA @ 12 VDC NPort 5650I-8-DTL Series: 740 mA @ 12 VDC
No. of Power Inputs	1

Input Voltage	12 to 48 VDC
Reverse Polarity Protection	Supported
Source of Input Power	Power input jack

Physical Characteristics

Housing	Metal
Dimensions (with ears)	229 x 135.43 x 46 mm (9.02 x 5.33 x 1.81 in)
Dimensions (without ears)	197 x 135.43 x 44 mm (7.76 x 5.33 x 1.73 in)
Weight	NPort 5610-8-DTL Series: 1760 g (3.88 lb) NPort 5650-8-DTL Series: 1770 g (3.90 lb) NPort 5650I-8-DTL Series: 1850 g (4.08 lb)
Installation	Desktop, DIN-rail mounting (with optional kit), Wall mounting (with optional kit)

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 55032/24
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 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 DIPs
Safety	UL 60950-1

Declaration

Green Product	RoHS, CRoHS, WEEE
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MTBF

Time	NPort 5610-8-DTL Series: 953,388 hrs NPort 5650-8-DTL Series: 740,457 hrs NPort 5650I-8-DTL Series: 258,150 hrs
Standards	Telcordia (Bellcore) Standard TR/SR

Warranty

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

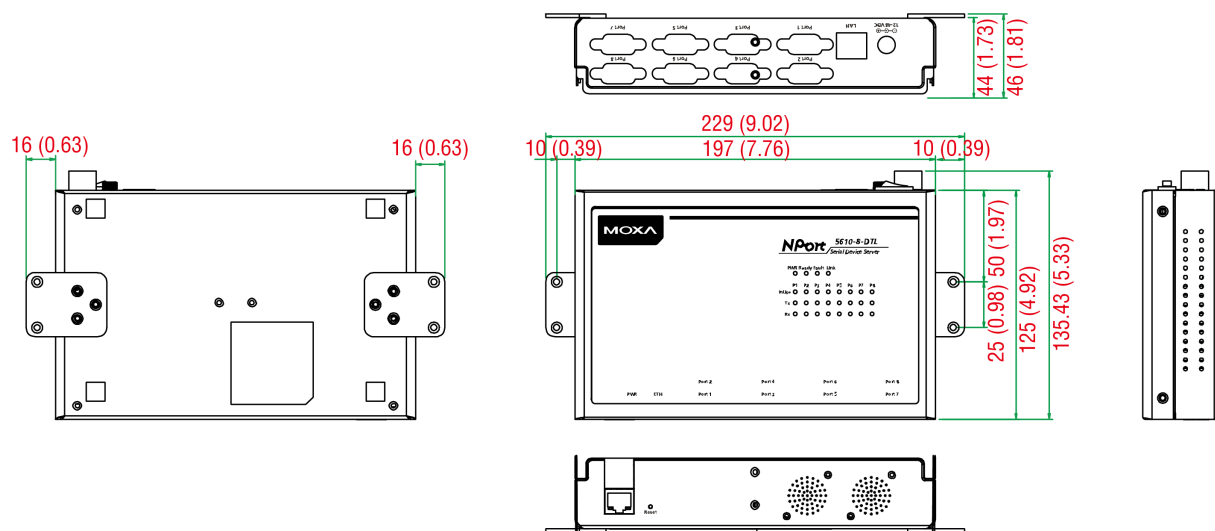
Package Contents

Device	1 x NPort 5600-DTL 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 (except -T models)
Documentation	1 x quick installation guide 1 x warranty card

尺寸

單位：公釐（英吋）



訂購資訊

Model Name	Serial Interface	Serial Interface Connector	Serial Interface Isolation	Operating Temp.	Input Voltage
NPort 5610-8-DTL	RS-232	DB9	—	0 to 60°C	12-48 VDC
NPort 5610-8-DTL-T	RS-232	DB9	—	-40 to 75°C	12-48 VDC
NPort 5650-8-DTL	RS-232/422/485	DB9	—	0 to 60°C	12-48 VDC
NPort 5650-8-DTL-T	RS-232/422/485	DB9	—	-40 to 75°C	12-48 VDC
NPort 5650I-8-DTL	RS-232/422/485	DB9	2 kV	0 to 60°C	12-48 VDC
NPort 5650I-8-DTL-T	RS-232/422/485	DB9	2 kV	-40 to 75°C	12-48 VDC

配件（選購）

Connectors

ADP-RJ458P-DB9F	DB9 female to RJ45 connector
Mini DB9F-to-TB	DB9 female to terminal block connector

DIN-Rail Mounting Kits

DK35A	DIN-rail mounting kit, 35 mm
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Power Adapters

PWR-12200-DT-S1	Desktop power supply (requires power cord), 12 VDC, 2 A, 100-240 VAC, 0 to 40°C operating temperature
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Power Cords

PWC-C13AU-3B-183	Power cord with Australian (AU) plug, 1.83 m
PWC-C13CN-3B-183	Power cord with three-prong China (CN) plug, 1.83 m

PWC-C13EU-3B-183	Power cord with Continental Europe (EU) plug, 1.83 m
PWC-C13JP-3B-183	Power cord with Japan (JP) plug, 7A/125V, 1.83 m
PWC-C13UK-3B-183	Power cord with United Kingdom (UK) plug, 1.83 m
PWC-C13US-3B-183	Power cord with United States (US) plug, 1.83 m

Wall-Mounting Kits

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