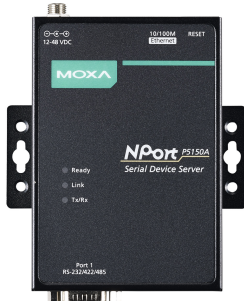


NPort P5150A 系列

1 埠 RS-232/422/485 PoE 串列裝置伺服器



特色與優點

- IEEE 802.3af 相容 PoE PD 設備
- 快速 3 步驟網頁式配置
- 串列、乙太網路和電源的突波保護
- 支援 COM 埠群組和 UDP multicast 應用
- 用於安裝更安穩的螺絲式電源連接器
- 用於 Windows、Linux 及 macOS 的 Real COM/TTY 驅動程式
- 標準 TCP/IP 介面及多樣化 TCP 和 UDP 操作模式

認證



簡介

NPort® P5150A 裝置伺服器能夠使串列裝置立即聯網。同時它也是受電裝置 (PD device)，符合 IEEE 802.3af，所以不需要額外的電源供應也能透過 PoE PSE 裝置啟動。使用 NPort® P5150A，可讓您透過電腦軟體可以從網路上隨處直接存取串列裝置。NPort® P5150A 的設計精簡且堅固，給您穩定可靠串列轉乙太網路解決方案。

串列、乙太網路和電源的突波保護

突波通常是來自雷擊或設備開關間所產生的短暫性高電壓，是所有電氣裝置的常見威脅。Moxa 領先的突波保護技術，為串列、乙太網路和電源線提供完整的保護，並通過 IEC 61000-4-5 認證標準。配備突波保護的串列連網解決方案，可以讓您的電氣設備遠離電壓變化或電氣雜訊等干擾。

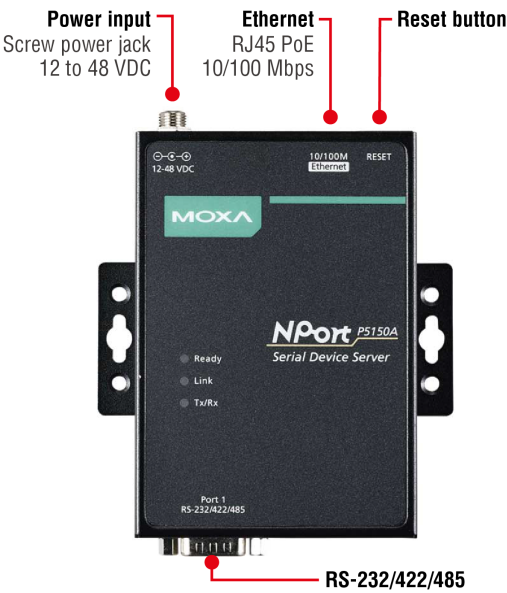
3 步驟網頁式配置

NPort® P5150A 的 3 步驟網頁式配置工具簡單明瞭且方便使用。NPort® 5150A 的網頁式主控台將會帶領使用者完成 3 個簡單的配置步驟。透過這種快速 3 步驟網頁式配置，使用者平均只需 30 秒即可完成 NPort® 設定並啟用應用程式，大幅節省時間和人力。

輕鬆排除故障

NPort® P5150A 裝置伺服器支援 SNMP，可用於透過乙太網路監控所有設備。一旦使用者定義的問題狀況發生，設備便可自動發送 trap 訊息給 SNMP 管理者。對於不使用 SNMP 管理員的使用者，它也可以通過 email 發送警報資訊。使用者可以使用 Moxa Windows utility 或 Web 主控台定義警示的觸發條件。舉例而言，您可以配置暖開機、冷開機或更改密碼時觸發報警。

外觀



規格

Ethernet Interface	
10/100BaseT(X) Ports (RJ45 connector)	1
Magnetic Isolation Protection	1.5 kV (built-in)
Standards	PoE (IEEE 802.3af)
Ethernet Software Features	
Configuration Options	Web Console (HTTP/HTTPS) Windows Utility Device Search Utility (DSU) Telnet Console Serial Console MCC Tool
Management	ARP BOOTP DHCP Client DNS HTTP HTTPS ICMP IPv4 LLDP SMTP SNMPv1/v2c TCP/IP Telnet UDP
Filter	IGMP v1/v2
Windows Real COM Drivers	Windows 11, 10, 8.1, 8, 7, Vista, XP, ME, 98, and 95 Windows Server 2022, 2019, 2016, 2012 R2, 2012, 2008 R2, 2008, 2003, 2000, and NT Windows Embedded CE 5.0 and 6.0, Windows XP Embedded
Linux Real TTY Drivers	Kernel versions: 6.x, 5.x, 4.x, 3.x, 2.6.x, and 2.4.x
Fixed TTY Drivers	macOS versions: 14, 13, 12, 11, and 10.1x SCO UNIX, SCO OpenServer, UnixWare 7, QNX 4.25, QNX 6, Solaris 10, FreeBSD, AIX 5.x, HP-UX 11i, Mac OS X
Arm®-based Platform Support	Windows 11

	Linux Kernel 6.x, 5.x, and 4.x macOS 14, 13, 12, and 11
Virtual Machine	VMWare ESXi (Windows 11/10) VMware Fusion (Windows on macOS 14, 13, 12, 11, and 10.1x) Parallels Desktop (Windows on macOS 14, 13, 12, 11, and 10.1x)
Android API	Android 3.1.x and later
MIB	RFC1213, RFC1317

Serial Interface

Connector	DB9 male
No. of Ports	1
Serial Standards	RS-232 RS-422 RS-485
Operation Modes	Disabled Ethernet Modem Pair Connection Real COM Reverse Telnet RFC2217 TCP Client TCP Server UDP
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
RS-485 Data Direction Control	Automatic Data Direction Control (ADDC)

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	DC Jack I/P: 125 mA @ 12 VDC PoE I/P: 180 mA @ 48 VDC
Input Voltage	12 to 48 VDC (supplied by power adapter) 48 VDC (supplied by PoE)
No. of Power Inputs	1
Source of Input Power	Power input jack PoE

Reliability

Automatic Reboot Trigger	Built-in WDT
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Physical Characteristics

Housing	Metal
Dimensions (with ears)	100 x 111 x 26 mm (3.94 x 4.37 x 1.02 in)
Dimensions (without ears)	77 x 111 x 26 mm (3.03 x 4.37 x 1.02 in)
Weight	300 g (0.66 lb)

Environmental Limits

Operating Temperature	NPort P5150A: 0 to 60°C (32 to 140°F) NPort P5150A-T: -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: 4 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: 1 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
Safety	EN 62368-1 UL 60950-1

MTBF

Time	2,231,530 hrs
Standards	Telcordia (Bellcore) Standard TR/SR

Warranty

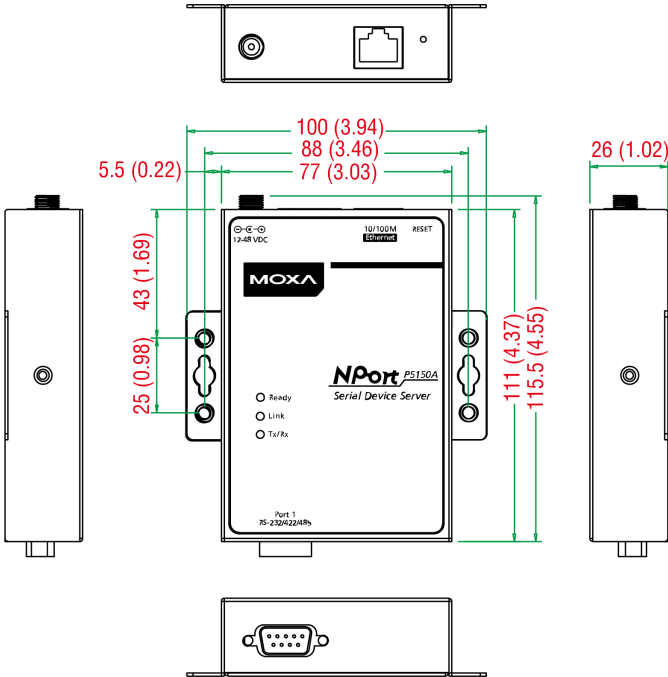
Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

Package Contents

Device	1 x NPort P5150A Series device server
Documentation	1 x quick installation guide 1 x warranty card

尺寸

單位：公釐（英吋）



訂購資訊

Model Name	Operating Temp.	Baudrate	Serial Standards	No. of Serial Ports	Input Voltage
NPort P5150A	0 to 60°C	50 bps to 921.6 kbps	RS-232/422/485	1	12-48 VDC by power adapter or 48 VDC by PoE
NPort P5150A-T	-40 to 75°C	50 bps to 921.6 kbps	RS-232/422/485	1	12-48 VDC by power adapter or 48 VDC by PoE

配件（選購）

Cables

CBL-F9M9-150	DB9 female to DB9 male serial cable, 1.5 m
CBL-F9M9-20	DB9 female to DB9 male serial cable, 20 cm

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-12050-USJP-S1	Locking barrel plug, 12 VDC, 0.5 A, 100 to 240 VAC, US/JP plug, 0 to 40°C operating temperature
PWR-12050-EU-S1	Locking barrel plug, 12 VDC, 0.5 A, 100 to 240 VAC, EU plug, 0 to 40°C operating temperature
PWR-12050-CN-S1	Locking barrel plug, 12 VDC, 0.5 A, 100 to 240 VAC, CN plug, 0 to 40°C operating temperature
PWR-12050-UK-S1	Locking barrel plug, 12 VDC, 0.5 A, 100 to 240 VAC, UK plug, 0 to 40°C operating temperature
PWR-12050-AU-S1	Locking barrel plug, 12 VDC, 0.5 A, 100 to 240 VAC, AU plug, 0 to 40°C operating temperature
PWR-12150-AU-SA-T	Locking barrel plug, 12 VDC, 1.5 A, 100 to 240 VAC, AU plug, -40 to 75°C operating temperature
PWR-12150-CN-SA-T	Locking barrel plug, 12 VDC, 1.5 A, 100 to 240 VAC, CN plug, -40 to 75°C operating temperature

PWR-12150-EU-SA-T	Locking barrel plug, 12 VDC, 1.5 A, 100 to 240 VAC, EU plug, -40 to 75°C operating temperature
PWR-12150-UK-SA-T	Locking barrel plug, 12 VDC, 1.5 A, 100 to 240 VAC, UK plug, -40 to 75°C operating temperature
PWR-12150-USJP-SA-T	Locking barrel plug, 12 VDC 1.5 A, 100 to 240 VAC, US/JP plug, -40 to 75°C operating temperature

Power Cords

CBL-PJ21NOPEN-BK-30	Locking barrel plug to bare-wire cable
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