

CN2510 系列

8 埠和 16 埠 RS-232 終端機伺服器



特色與優點

- 液晶控制面板，方便現場管理
- 當作為獨立遠端存取伺服器操作時，最多可支援 16 位撥入使用者
- 支援包含 RADIUS 驗證和 RIP I/II 路由通訊協定的 PPP/SLIP
- 用於 Windows、Linux 及 macOS 的 Real COM/TTY 驅動程式
- 48 VDC，適用於電信應用（適用於 CN2510-8/16-48V）

認證

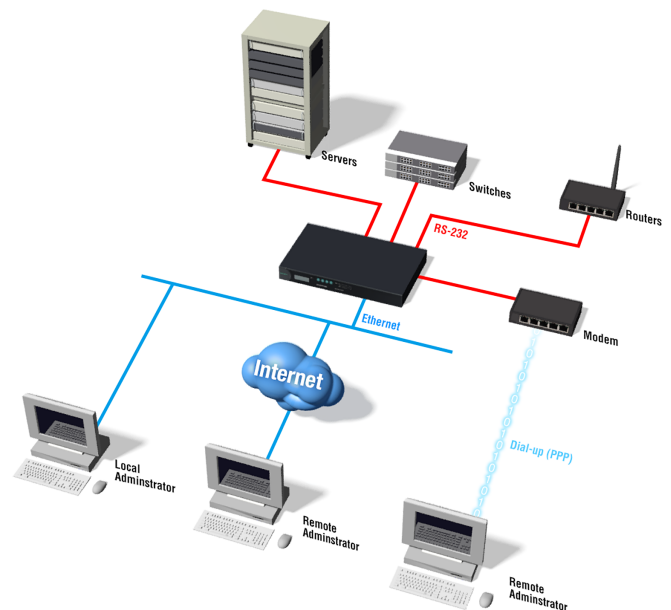


簡介

對於大多數公司而言，IT 設備的效能對於日常運作極為重要。為了讓伺服器、路由器、PBX 或租用線路數據機正常運作，能將停機時間降至最低，並快速排除故障是重要的。KVM 通常用於連線管理配備螢幕和鍵盤的設備。然而，RS-232 主控台存取通常是在無其他選擇的最終方式。

遠端主控台管理

CN2510 採用方便的 1U 機架式套組，提供簡易的 console 管理解決方案。透過 RS-232 連接埠，可輕鬆對網路設備的 console port 連接埠建立連線，例如 UNIX 伺服器或路由器，以便集中管理連接的裝置。每個裝置的 RS-232 console port 連接埠都會成為可存取網路的節點，讓使用者從網路上的任何位置進行 Telnet 存取，以便設定及管理裝置。支援完整數據機控制訊號，確保各種串列周邊設備的相容性。



使用者驗證

在 console 管理解決方案中嚴格控制存取非常重要，而且在允許 console port 連接埠連線之前，應先驗證使用者權限。CN2510 的驗證程序包含針對內部資料庫或 RADIUS 伺服器驗證使用者名稱和密碼。

回撥

當撥號連線用於 out-of-band，CN2510 提供方便的回撥功能。CN2510 會呼叫管理主機以建立連線，而非直接接受連線要求。回撥功能可確保只有已註冊的使用者或主機才能透過 CN2510 遠端連線至網路，將長途電話費用降至最低。

外觀



規格

Ethernet Interface	
10/100BaseT(X) Ports (RJ45 connector)	1
Ethernet Software Features	
Management	Device Search Utility (DSU) DHCP Client TCP/IP UDP
MIB	MIB-II
Security	RADIUS
Unicast Routing	RIPv1/V2 Static Route
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
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)
Arm®-based Platform Support	Windows 11 Linux Kernel 6.x, 5.x and 4.x macOS 14, 13, 12 and 11
Android API	Android 3.1.x and later
Serial Interface	
Connector	8-pin RJ45
No. of Ports	CN2510-8 models: 8 CN2510-16 models: 16
Serial Standards	RS-232
Operation Modes	Terminal mode
Baudrate	50 bps to 921.6 kbps
Data Bits	5, 6, 7, 8

Stop Bits	1, 1.5, 2
Parity	None, Even, Odd, Space, Mark
Flow Control	None RTS/CTS XON/XOFF

Power Parameters

Input Current	CN2510-8/16: 125 mA @ 110 VAC CN2510-8/16-48V: 180 mA @ 48 VDC
Input Voltage	AC models: 100 to 240 VAC (47 to 63 Hz) DC models: ± 48 VDC (38 to 72 VDC, -38 to -72 VDC)

Physical Characteristics

Housing	Metal
Installation	19-inch rack mounting
Dimensions	440 x 198 x 45 mm (17.3 x 7.8 x 1.77 in)
Weight	CN2510-8: 2,680 g (5.91 lb) CN2510-8-48V: 2,420 g (5.34 lb) CN2510-16: 2,700 g (5.95 lb) CN2510-16-48V: 2,480 g (5.27 lb)

Environmental Limits

Operating Temperature	0 to 55°C (32 to 131°F)
Storage Temperature (package included)	-20 to 70°C (-4 to 158°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	AC models: IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2.5 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 DC models: IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2.5 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
Safety	EN 60950-1 UL 60950-1

MTBF

Time	CN2510-8: 857,279 hrs CN2510-8-48V: 850,673 hrs CN2510-16: 654,195 hrs CN2510-16-48V: 650,342 hrs
Standards	Telcordia (Bellcore) Standard TR/SR

Warranty

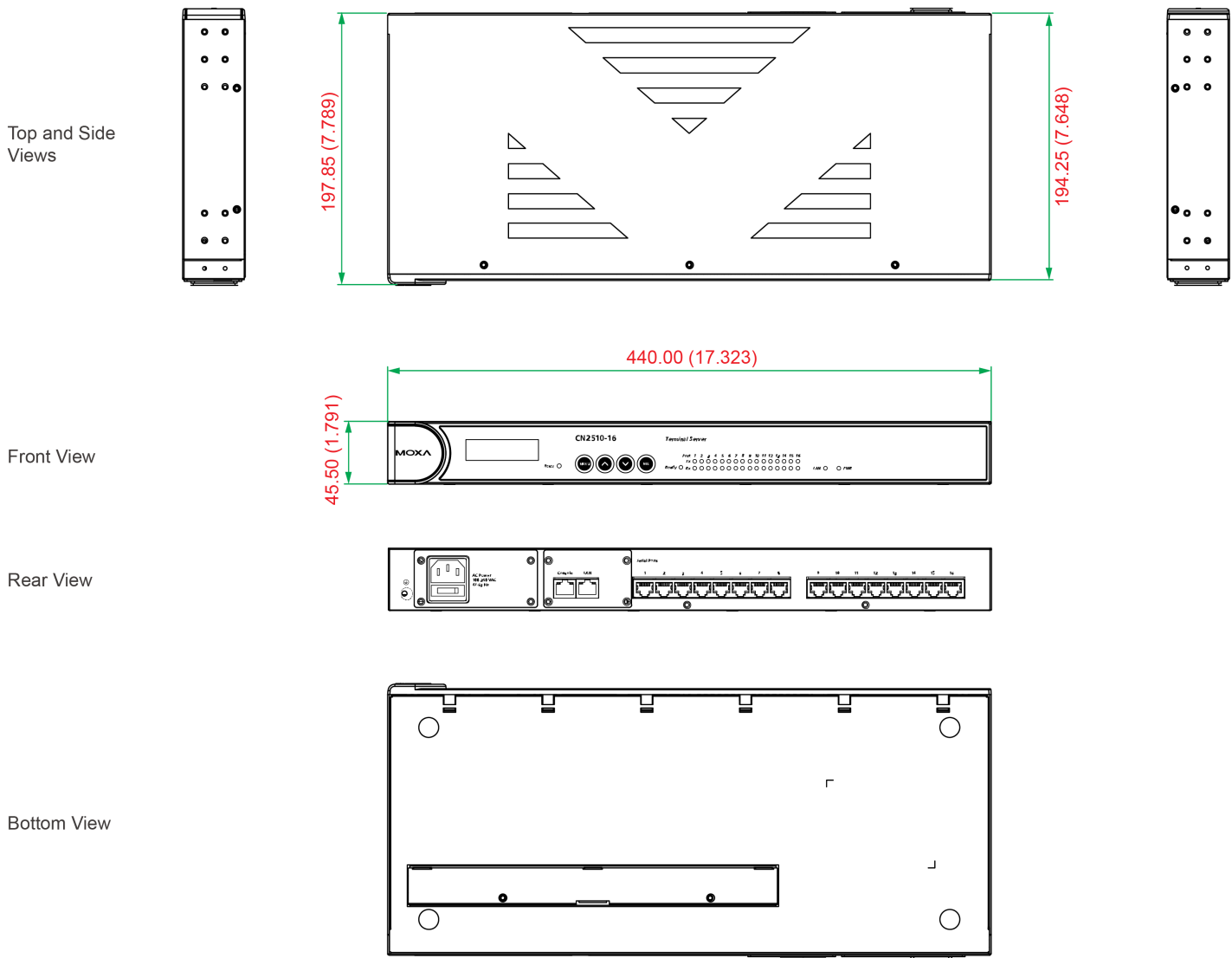
Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

Package Contents

Device	1 x CN2510 Series terminal server
Cable	1 x RJ45-to-DB9 console cable 1 x power cord, suitable for your region (AC models)
Installation Kit	1 x rack-mounting kit
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 Standards	No. of Serial Ports	Serial Connector	Power Input
CN2510-8	RS-232	8	8-pin RJ45	100-240 VAC
CN2510-8-48V	RS-232	8	8-pin RJ45	±48 VDC
CN2510-16	RS-232	16	8-pin RJ45	100-240 VAC
CN2510-16-48V	RS-232	16	8-pin RJ45	±48 VDC

配件（選購）

Cables

CBL-RJ45F25-150	8-pin RJ45 to DB25 female serial cable, 1.5 m
CBL-RJ45F9-150	8-pin RJ45 to DB9 female serial cable, 1.5m
CBL-RJ45M25-150	8-pin RJ45 to DB25 male serial cable, 1.5m
CBL-RJ45M9-150	8-pin RJ45 to DB9 male serial cable, 1.5m
CBL-RJ45SF25-150	8-pin RJ45 to DB25 female serial cable with shielding, 1.5m
CBL-RJ45SF9-150	8-pin RJ45 to DB9 female serial cable with shielding, 1.5m
CBL-RJ45SM25-150	8-pin RJ45 to DB25 male serial cable with shielding, 1.5m
CBL-RJ45SM9-150	8-pin RJ45 to DB9 male serial cable with shielding, 1.5m
CBL-RJ458P-Cisco-BK-180	8-pin RJ45 to 8-pin RJ45 serial cable, 1.8 m, for Cisco console port

Power Cords

PWC-C13AU-3B-183	Power cord with AU plug, 1.83 m
PWC-C13CN-3B-183	Power cord with three-prong CN plug, 1.83 m
PWC-C13EU-3B-183	Power cord with EU/KR plug, 1.83 m
PWC-C13JP-3B-183	Power cord with JP plug plug, 7A/125V, 1.83 m
PWC-C13UK-3B-183	Power cord with UK plug, 1.83 m
PWC-C13US-3B-183	Power cord with US plug, 1.83 m

Rack-Mounting Kits

WK-45-01	Rack-mounting kit, 2 L-shaped plates, 8 screws, 45 x 57 x 2.5 mm
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