

EDS-2008-ELP 系列

塑膠外殼 8 埠入門級非網管型乙太網路交換器



特色與優點

- 10/100BaseT(X) (RJ45 連接器)
- 尺寸小巧並容易安裝
- 支援 QoS 在高負荷流量中處理重要資料
- IP40 等級塑膠外殼
- 符合 PROFINET 一致性等級 A¹

認證



簡介

EDS-2008-ELP 系列工業級乙太網路交換器具有八個 10/100M 網路埠，非常適合需要簡單工業級乙太網路的應用連線。此外，為了針對不同產業的應用提供更多的彈性，EDS-2008-ELP 系列讓使用者可以透過外部面板上的 DIP 開啟或停用服務品質功能 (QoS) 和廣播風暴防護 (BSP)。

EDS-2008-ELP 系列具有 12/24/48 VDC 單一電力輸入、DIN 軌道安裝，以及高等級 EMI/EMC 防護能力。除了其精巧尺寸，EDS-2008-ELP 系列也通過了 100% 高溫測試，確保在部屬後可穩定運作。EDS-2008-ELP 系列具 -10 至 60°C 的標準操作溫度範圍。

EDS-2008-ELP 系列也符合 PROFINET 一致性等級 A (CC-A)，使這些交換器同樣適用於 PROFINET 網路。

規格

Ethernet Interface

10/100BaseT(X) Ports (RJ45 connector)	8 Full/Half duplex mode Auto MDI/MDI-X connection Auto negotiation speed																																		
Standards	IEEE 802.3 for 10BaseT IEEE 802.1p for Class of Service IEEE 802.3u for 100BaseT(X) IEEE 802.3x for flow control																																		
Optical Fiber	<table border="1"><thead><tr><th colspan="2" rowspan="2"></th><th colspan="2">100BaseFX</th></tr><tr><th>Multi-Mode</th><th>Single-Mode</th></tr></thead><tbody><tr><th rowspan="2">Fiber Cable Type</th><td rowspan="2">OM1</td><td>50/125 μm</td><td rowspan="2">G.652</td></tr><tr><td>800 MHz x km</td></tr><tr><th colspan="2">Typical Distance</th><td>4 km</td><td>5 km</td><td>40 km</td></tr><tr><th rowspan="3">Wavelength</th><th>Typical (nm)</th><td colspan="2">1300</td><td>1310</td></tr><tr><th>TX Range (nm)</th><td colspan="2">1260 to 1360</td><td>1280 to 1340</td></tr><tr><th>RX Range (nm)</th><td colspan="2">1100 to 1600</td><td>1100 to 1600</td></tr><tr><th>Optical Power</th><th>TX Range (dBm)</th><td colspan="2">-10 to -20</td><td>0 to -5</td></tr></tbody></table>			100BaseFX		Multi-Mode	Single-Mode	Fiber Cable Type	OM1	50/125 μ m	G.652	800 MHz x km	Typical Distance		4 km	5 km	40 km	Wavelength	Typical (nm)	1300		1310	TX Range (nm)	1260 to 1360		1280 to 1340	RX Range (nm)	1100 to 1600		1100 to 1600	Optical Power	TX Range (dBm)	-10 to -20		0 to -5
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1. 僅適用於硬體版本 2.0.0 或更高版本的型號。

		100BaseFX		
		Multi-Mode		Single-Mode
Fiber Cable Type	OM1	50/125 μm	G.652	
		800 MHz x km		
	RX Range (dBm)	-3 to -32	-3 to -34	
	Link Budget (dB)	12	29	
	Dispersion Penalty (dB)	3	1	

Note: When connecting a single-mode fiber transceiver, we recommend using an attenuator to prevent damage caused by excessive optical power.
Note: Compute the "typical distance" of a specific fiber transceiver as follows: Link budget (dB) > dispersion penalty (dB) + total link loss (dB).

Switch Properties

Processing Type	Store and Forward
MAC Table Size	2 K
Packet Buffer Size	768 kbits

DIP Switch Configuration

Ethernet Interface	Quality of Service (QoS) ² , Broadcast Storm Protection (BSP)
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Power Parameters

Connection	1 removable 3-contact terminal block(s)
Input Current	0.052 A @ 24 VDC
Input Voltage	12/24/48 VDC
Operating Voltage	9.6 to 60 VDC
Overload Current Protection	Supported
Reverse Polarity Protection	Supported

Physical Characteristics

Dimensions	36 x 81 x 65 mm (1.4 x 3.19 x 2.56 in)
Installation	DIN-rail mounting Wall mounting (with optional kit)
Housing	Plastic
Weight	110.5 g (0.24 lb)

Environmental Limits

Ambient Relative Humidity	5 to 95% (non-condensing)
Operating Temperature	-10 to 60°C (14 to 140°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)

2. 啟用 QoS DIP 開關還將開啟組播過濾，這將阻擋 LLDP 和 PROFINET PTCP 延遲流量。

Standards and Certifications

Safety	UL 61010-2-201 EN 62368-1
EMC	EN 55032/35 EN 61000-6-2/-6-4
EMI	CISPR 22, 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: 10 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6
Freefall	IEC 60068-2-32

MTBF

Time	3,696,394 hrs
Standards	Telcordia (Bellcore), GB

Warranty

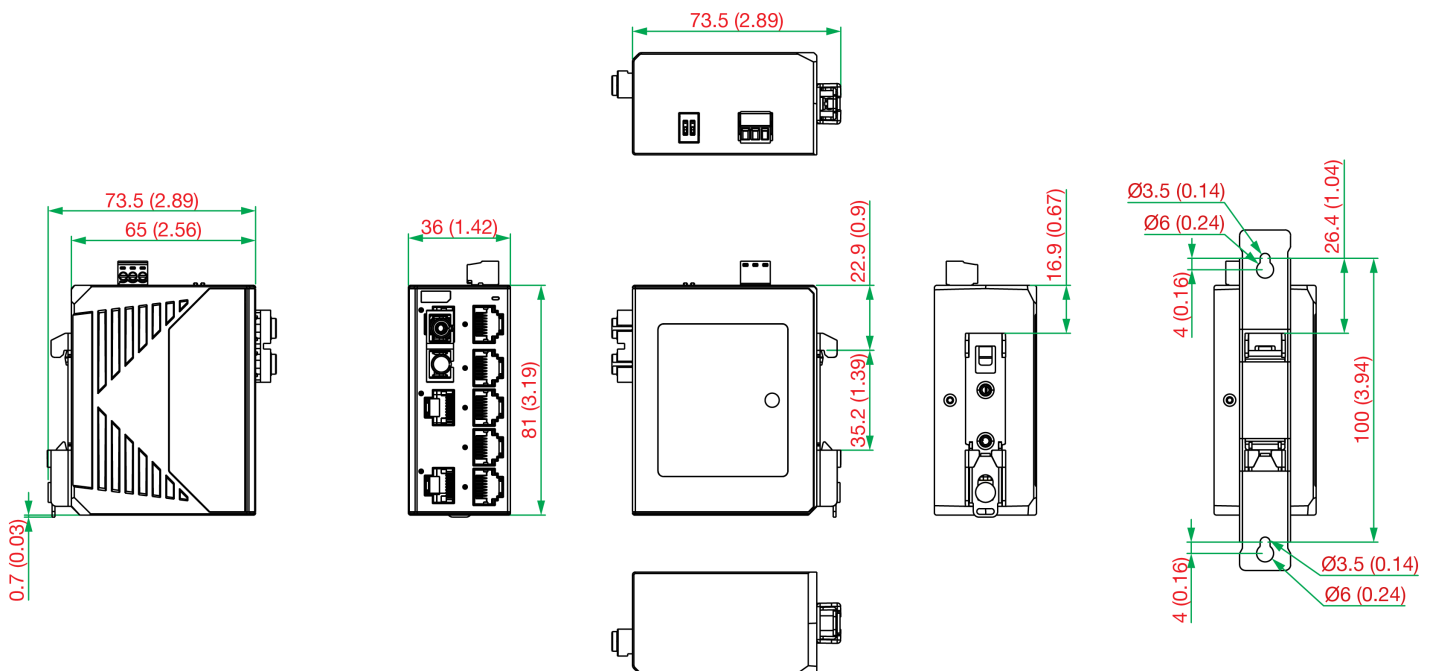
Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

Package Contents

Device	1 x EDS-2008 Series switch
Documentation	1 x quick installation guide 1 x warranty card

尺寸

單位：公釐（英吋）



訂購資訊

Model Name	10/100BaseT(X) Ports (RJ45 connector)	Housing	Operating Temperature
EDS-2008-ELP	8	Plastic	-10 to 60°C

配件 (選購)

Power Supplies

MDR-40-24	DIN-rail 24 VDC power supply with 40W/1.7A, 85 to 264 VAC, or 120 to 370 VDC input, -20 to 70°C operating temperature
MDR-60-24	DIN-rail 24 VDC power supply with 60W/2.5A, 85 to 264 VAC, or 120 to 370 VDC input, -20 to 70°C operating temperature

Wall-Mounting Kits

WK-18	Wall-mounting kit, 1 plate (18 x 120 x 8.5 mm)
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Rack-Mounting Kits

RK-4U	19-inch rack-mounting kit
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