

# 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

### 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 系列允許使用者透過外部面板 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 單電源輸入、DIN Rail 鋁軌安裝，以及高等級 EMI/EMC 防護能力。除了小巧的尺寸之外，EDS-2008-ELP 系列也通過 100% 的高溫測試，確保在布署後能夠穩定運作。EDS-2008-ELP 系列具有 -10 至 60°C 的標準操作溫度範圍。

## 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 colspan="1">Multi-Mode</th><th colspan="1">Single-Mode</th></tr></thead><tbody><tr><th rowspan="2">Fiber Cable Type</th><th rowspan="2">OM1</th><td>50/125 <math>\mu</math>m</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 colspan="2">Typical (nm)</th><td>1300</td><td>1310</td></tr><tr><th colspan="2">TX Range (nm)</th><td>1260 to 1360</td><td>1280 to 1340</td></tr><tr><th colspan="2">RX Range (nm)</th><td>1100 to 1600</td><td>1100 to 1600</td></tr><tr><th rowspan="3">Optical Power</th><th colspan="2">TX Range (dBm)</th><td>-10 to -20</td><td>0 to -5</td></tr><tr><th colspan="2">RX Range (dBm)</th><td>-3 to -32</td><td>-3 to -34</td></tr><tr><th colspan="2">Link Budget (dB)</th><td>12</td><td>29</td></tr></tbody></table>			100BaseFX		Multi-Mode	Single-Mode	Fiber Cable Type	OM1	50/125 $\mu$ 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	RX Range (dBm)		-3 to -32	-3 to -34	Link Budget (dB)		12	29
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		100BaseFX		
		Multi-Mode		Single-Mode
Fiber Cable Type	OM1	50/125 $\mu$ m	G.652	
		800 MHz x km		
	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	8 K
Packet Buffer Size	4 Mbits

### DIP Switch Configuration

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

Connection	1 removable 3-contact terminal block(s)
Input Current	0.067 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	90 g (0.2 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)

### Standards and Certifications

Safety	UL 61010-2-201, EN 62368-1 (LVD)
EMC	EN 55032/35
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: 20 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	3,472,660 hrs
Standards	Telcordia (Bellcore), GB

### Warranty

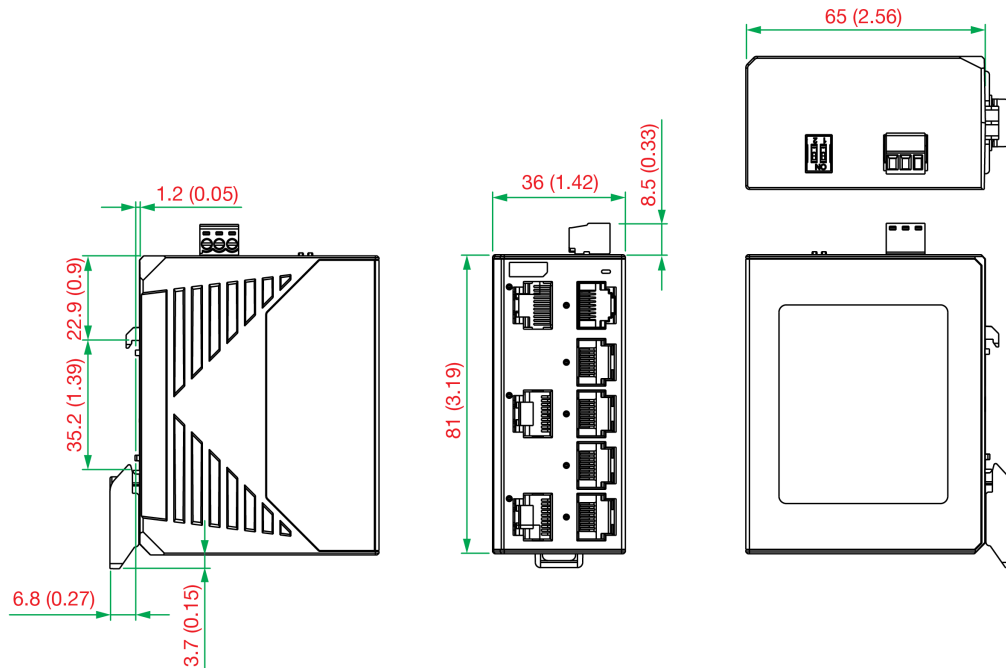
Warranty Period	5 years
Details	See <a href="http://www.moxa.com/tw/warranty">www.moxa.com/tw/warranty</a>

### 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 (英寸)



## 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

DR-4524	45W/2A DIN-rail 24 VDC power supply with universal 85 to 264 VAC or 120 to 370 VDC input, -10 to 50°C operating temperature
DR-75-24	75W/3.2A DIN-rail 24 VDC power supply with universal 85 to 264 VAC or 120 to 370 VDC input, -10 to 60°C operating temperature
DR-120-24	120W/2.5A DIN-rail 24 VDC power supply with universal 88 to 132 VAC or 176 to 264 VAC input by switch, or 248 to 370 VDC input, -10 to 60°C operating temperature
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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