

# EDS-208 系列

## 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 ) 、100BaseFX ( 多模、SC/ST 連接器 )
- 支援 IEEE802.3/802.3u/802.3x
- 廣播風暴防護
- 支援 DIN 軌道安裝
- -10°C 至 60°C 操作溫度範圍

### 認證



### 簡介

EDS-208 系列支援 IEEE 802.3/802.3u/802.3x，具有 10/100M、全/半雙工、MDI/MDIX 自動感應 RJ45 連接埠。EDS-208 系列可在 -10 至 60°C 的額定溫度範圍內運作，並且非常堅固耐用，適合任何嚴苛的工業環境。此系列交換器可以輕鬆安裝在 DIN 軌道和配接箱中。由於可安裝在 DIN 軌道上、工作溫度範圍寬，並且具備含 LED 指示燈的 IP30 外殼，這款即插即用的 EDS-208 交換器不僅簡單易用又具可靠性。

### 規格

#### Ethernet Interface

Standards	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) and 100BaseFX IEEE 802.3x for flow control																															
10/100BaseT(X) Ports (RJ45 connector)	EDS-208: 8 EDS-208-M-SC: 7 EDS-208-M-ST: 7 Auto negotiation speed Full/Half duplex mode Auto MDI/MDI-X connection																															
100BaseFX Ports (multi-mode SC connector)	EDS-208-M-SC: 1																															
100BaseFX Ports (multi-mode ST connector)	EDS-208-M-ST: 1																															
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><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>40 km</td></tr><tr><th rowspan="3">Wavelength</th><th>Typical (nm)</th><td colspan="2">1300</td></tr><tr><th>TX Range (nm)</th><td>1260 to 1360</td><td>1280 to 1340</td></tr><tr><th>RX Range (nm)</th><td>1100 to 1600</td><td>1100 to 1600</td></tr><tr><th>Optical Power</th><th>TX Range (dBm)</th><td>-10 to -20</td><td>0 to -5</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	40 km	Wavelength	Typical (nm)	1300		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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		100BaseFX		
		Multi-Mode		Single-Mode
Fiber Cable Type		OM1	50/125 $\mu$ m	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

### Power Parameters

Input Voltage	12/24/48 VDC 24 <sup>1</sup> VAC
Operating Voltage	9.6 to 60 VDC 18 to 30 VAC
Input Current	EDS-208 Models: 12 to 48 VDC, 0.14 to 0.04 A or 24 VAC, 50-60 Hz, 0.13 A (max.) EDS-208-M-SC/EDS-208-M-ST Models: 12 to 48 VDC, 0.20 to 0.05 A or 24 VAC, 50-60 Hz, 0.21 A (max.)
Connector	1 removable 3-contact terminal block(s)
Overload Current Protection	Supported
Reverse Polarity Protection	Supported

### Physical Characteristics

Housing	Plastic
IP Rating	IP30
Dimensions	EDS-208: 40.03 x 100 x 74 mm (1.58 x 3.94 x 2.91 in) EDS-208-M-SC: 40.03 x 100 x 82.13 mm (1.58 x 3.94 x 3.23 in) EDS-208-M-ST: 40.03 x 100 x 84.1 mm (1.58 x 3.94 x 3.31 in)
Weight	EDS-208: 159 g (0.35 lb) EDS-208-M-SC: 166 g (0.37 lb) EDS-208-M-ST: 166 g (0.37 lb)
Installation	DIN-rail mounting

1. 24 VAC, 僅適用於硬體版本 2.1.1 或更高版本的型號

## Environmental Limits

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

## Standards and Certifications

Safety	UL 508 EN 62368-1
EMC	EN 55032/35
EMI	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: 1 kV; Signal: 0.5 kV IEC 61000-4-6 CS: 3 V IEC 61000-4-8 PFMF
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6
Freefall	IEC 60068-2-32

## MTBF

Time	EDS-208 Models: 10,541,554 hrs EDS-208-M Models: 7,499,231 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>

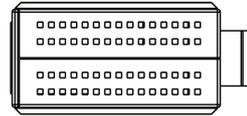
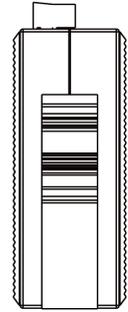
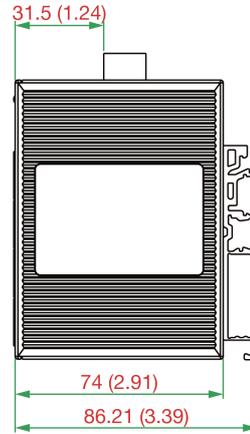
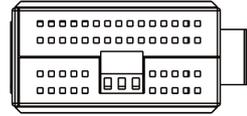
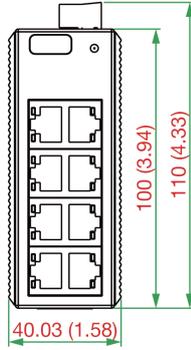
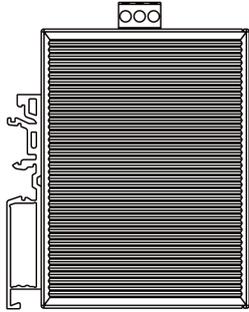
## Package Contents

Device	1 x EDS-208 Series switch
Documentation	1 x quick installation guide 1 x warranty card

# 尺寸

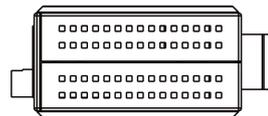
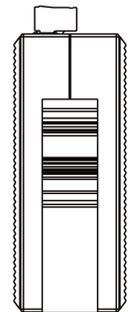
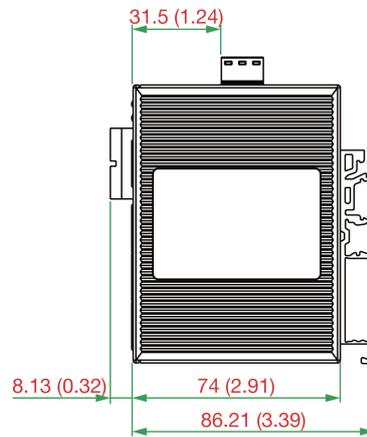
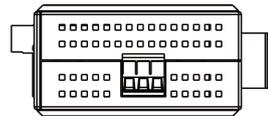
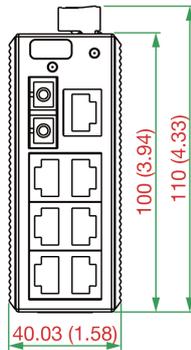
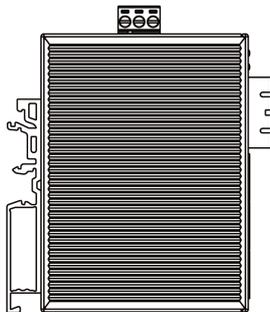
## EDS-208 型號

單位：公釐 (英吋)



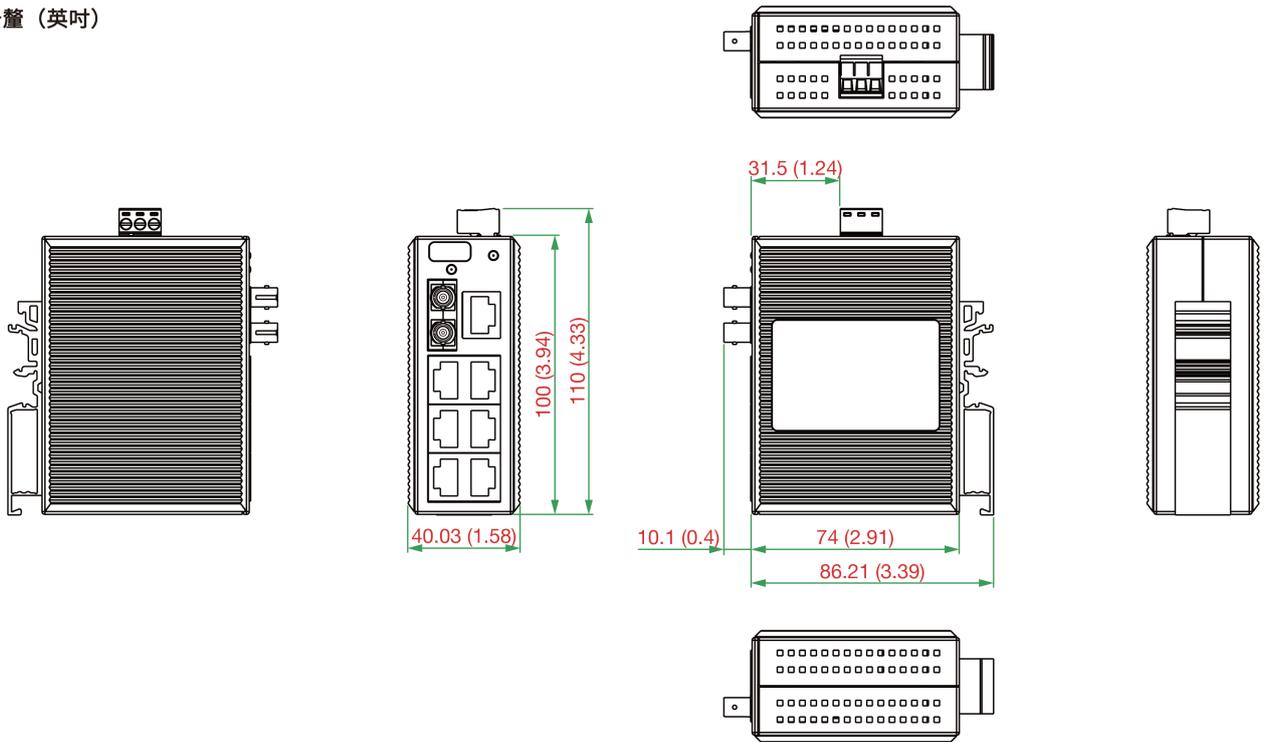
## EDS-208-M-SC 型號

單位：公釐 (英吋)



## EDS-208-M-ST 型號

單位：公釐 (英吋)



## 訂購資訊

Model Name	10/100BaseT(X) Ports RJ45 Connector	100BaseFX Ports Multi-Mode ST Connector	100BaseFX Ports Multi-Mode SC Connector	Housing Material	Operating Voltage	Operating Temp.
EDS-208	8	-	-	Plastic	12-48 VDC, 24 VAC	-10 to 60°C
EDS-208-M-ST	7	1	-	Plastic	12-48 VDC, 24 VAC	-10 to 60°C
EDS-208-M-SC	7	-	1	Plastic	12-48 VDC, 24 VAC	-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

### Rack-Mounting Kits

RK-4U	19-inch rack-mounting kit
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