

# 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
- 廣播風暴保護
- 支援鋁軌式安裝
- -10 至 60°C 工作溫度範圍

### 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)	Auto MDI/MDI-X connection Full/Half duplex mode Auto MDI/MDI-X connection
100BaseFX Ports (multi-mode SC connector)	EDS-208-M-SC: Supported
100BaseFX Ports (multi-mode ST connector)	EDS-208-M-ST: Supported

### Optical Fiber

		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

		100BaseFX	
		Multi-Mode	Single-Mode
Fiber Cable Type	OM1	50/125 μm	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	2 K
Packet Buffer Size	768 kbits

### Power Parameters

Input Voltage	24 VDC
Input Current	EDS-208: 0.07 A @ 24 VDC EDS-208-M Series: 0.1 A @ 24 VDC
Operating Voltage	12 to 48 VDC
Connection	1 removable 3-contact terminal block(s)
Overload Current Protection	2.5 A @ 24 VDC
Reverse Polarity Protection	Supported

### Physical Characteristics

Housing	Plastic
IP Rating	IP30
Dimensions	40 x 100 x 86.5 mm (1.57 x 3.94 x 3.41 in)
Weight	170 g (0.38 lb)
Installation	DIN-rail mounting

### 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
EMC	EN 55032/24
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: 1 kV; Signal: 0.5 kV IEC 61000-4-5 Surge: Power: 1 kV; Signal: 1 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 60068-2-31

### MTBF

Time	EDS-208: 401,624 hrs EDS-208-M Series: 368,353 hrs
Standards	Telcordia (Bellcore), GB

### Warranty

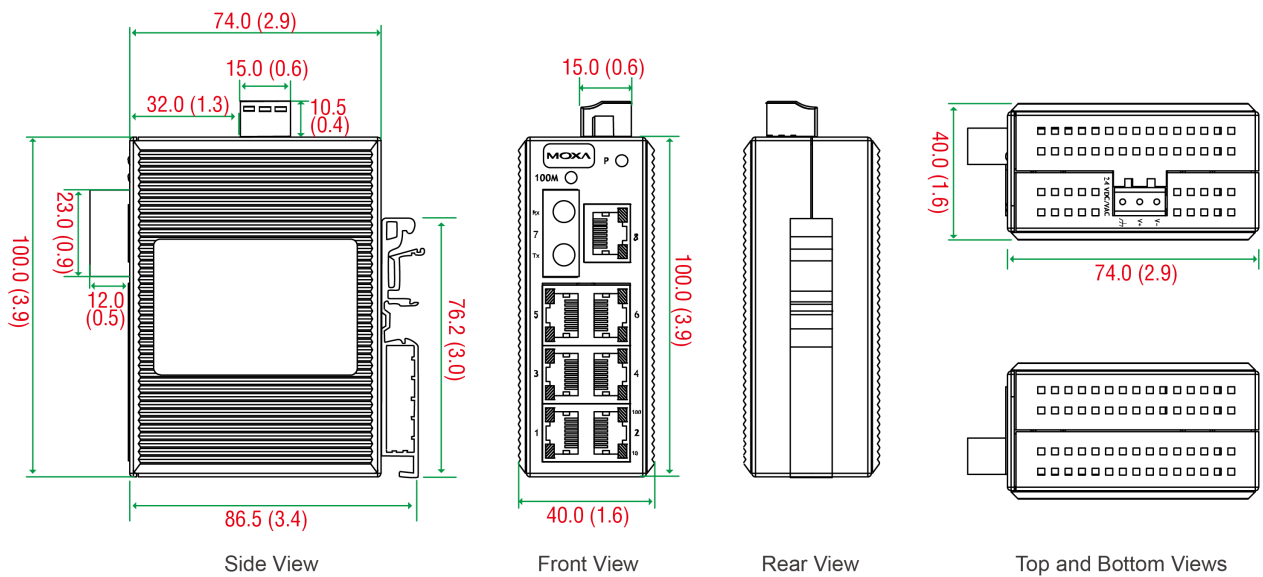
Warranty Period	5 years
Details	See <a href="http://www.moxa.com/tw/warranty">www.moxa.com/tw/warranty</a>

### Package Contents

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

## 尺寸

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	-10 to 60°C
EDS-208-M-ST	7	1	-	Plastic	12-48 VDC	-10 to 60°C
EDS-208-M-SC	7	-	1	Plastic	12-48 VDC	-10 to 60°C

## 配件 (選購)

### Power Supplies

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
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
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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