

# EDS-P206A 系列

6 埠非網管型乙太網路交換器含 4 埠 IEEE 802.3af/at PoE+



## 特色與優點

- 符合 IEEE 802.3af/at 標準的 PoE 和乙太網路兩用埠
- 每個 PoE 埠輸出可達 30W
- 12/24/48 VDC 冗餘電源輸入
- 智慧型耗電偵測與分類
- 冗餘雙 VDC 電源輸入
- -40 至 75°C 操作溫度範圍 ( -T 型號 )

## 認證



## 簡介

EDS-P206A-4PoE 交換器是智慧型 6 埠非網管乙太網路交換器，在第 1 到第 4 埠皆可支援 PoE ( 乙太網路供電 )。這些交換器被歸類為 PSE ( 供電設備 )，讓 EDS-P206A-4PoE 可以集中式管理電源供應，每埠也可提供高達 30W 的電源。

這些交換器可用來供電給符合 IEEE 802.3af/at 標準的受電設備 ( PD )，無須額外接線，支援 10/100M IEEE 802.3/802.3u/802.3x 標準、全/半雙工、MDI/MDI-X 自動感測功能，為您的工業乙太網路提供經濟實惠的解決方案。

## 規格

### Ethernet Interface

10/100BaseT(X) Ports (RJ45 connector)	EDS-P206A-4PoE Series: 2 EDS-P206A-4PoE-M-SC/M-ST/S-SC Series: 1  Supported functions: Auto negotiation speed Full/Half duplex mode Auto MDI/MDI-X connection
100BaseFX Ports (multi-mode SC connector)	EDS-P206A-4PoE-M-SC Series: 1 EDS-P206A-4PoE-MM-SC Series: 2
100BaseFX Ports (multi-mode ST connector)	EDS-P206A-4PoE-M-ST Series: 1 EDS-P206A-4PoE-MM-ST Series: 2
100BaseFX Ports (single-mode SC connector)	EDS-P206A-4PoE-S-SC/P206A-4PoE-S-SC-T: 1 EDS-P206A-4PoE-SS-SC/P206A-4PoE-SS-SC-T: 2
PoE Ports (10/100BaseT(X), RJ45 connector)	4
Standards	IEEE 802.3 for 10BaseT IEEE 802.3af/at for PoE/PoE+ output IEEE 802.3x for flow control IEEE 802.3u for 100BaseT(X)

PoE Pinout	V+, V+, V-, V- for pins 1, 2, 3, 6 (Endspan, MDI, Mode A)				
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
Dispersion Penalty (dB)		3	1		
<p>Note: When connecting a single-mode fiber transceiver, we recommend using an attenuator to prevent damage caused by excessive optical power.</p> <p>Note: Compute the "typical distance" of a specific fiber transceiver as follows: Link budget (dB) &gt; dispersion penalty (dB) + total link loss (dB).</p>					

### Switch Properties

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

### Power Parameters

Input Current	5.55 A @ 24 VDC
Connection	1 removable 4-contact terminal block(s)
Operating Voltage	12 to 57 VDC
Input Voltage	12/24/48 VDC, Redundant dual inputs
Power Budget	Max. 120 W for total PD consumption Max. 30 W for each PoE port
Power Consumption (Max.)	Max. 13.2 W full loading without PDs' consumption
Reverse Polarity Protection	Supported
Overload Current Protection	Supported

### Physical Characteristics

Housing	Metal
IP Rating	IP30
Dimensions	50.3 x 114 x 70 mm (1.98 x 4.53 x 2.76 in)
Weight	375 g (0.83 lb)
Installation	DIN-rail mounting, Wall mounting (with optional kit)

## Environmental Limits

Operating Temperature	Standard Models: -10 to 60°C (14 to 140°F) Wide Temp. Models: -40 to 75°C (-40 to 167°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

## Standards and Certifications

EMI	CISPR 32, FCC Part 15B Class A
EMC	EN 55032/24
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: 1 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF
Safety	UL 508

## MTBF

Time	1,398,743 hrs
Standards	Telcordia (Bellcore), GB

## Warranty

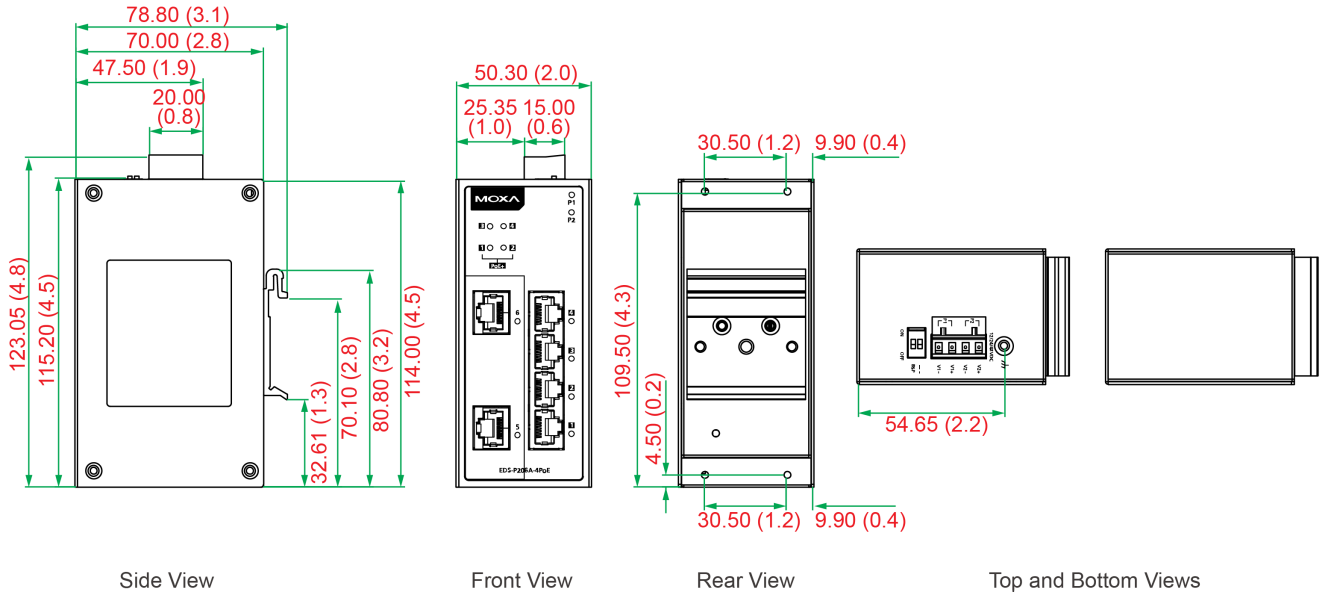
Warranty Period	5 years
Details	See <a href="http://www.moxa.com/tw/warranty">www.moxa.com/tw/warranty</a>

## Package Contents

Device	1 x EDS-P206A Series switch
Installation Kit	4 x cap, plastic, for RJ45 port
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	PoE Ports, 10/100BaseT(X) RJ45 Connector	100BaseFX Ports Multi-Mode, SC Connector	100BaseFX Ports Multi-Mode, ST Connector	100BaseFX Ports Single-Mode, SC Connector	Operating Temp.
EDS-P206A-4PoE	2	4	-	-	-	-10 to 60°C
EDS-P206A-4PoE-T	2	4	-	-	-	-40 to 75°C
EDS-P206A-4PoE-M-SC	1	4	1	-	-	-10 to 60°C
EDS-P206A-4PoE-M-SC-T	1	4	1	-	-	-40 to 75°C
EDS-P206A-4PoE-M-ST	1	4	-	1	-	-10 to 60°C
EDS-P206A-4PoE-M-ST-T	1	4	-	1	-	-40 to 75°C
EDS-P206A-4PoE-MM-SC	-	4	2	-	-	-10 to 60°C
EDS-P206A-4PoE-MM-SC-T	-	4	2	-	-	-40 to 75°C
EDS-P206A-4PoE-MM-ST	-	4	-	2	-	-10 to 60°C
EDS-P206A-4PoE-MM-ST-T	-	4	-	2	-	-40 to 75°C
EDS-P206A-4PoE-S-SC	1	4	-	-	1	-10 to 60°C
EDS-P206A-4PoE-S-SC-T	1	4	-	-	1	-40 to 75°C
EDS-P206A-4PoE-SS-SC	-	4	-	-	2	-10 to 60°C
EDS-P206A-4PoE-SS-SC-T	-	4	-	-	2	-40 to 75°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-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-120-48	120W/2.5A DIN-rail 48 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-75-48	75W/1.6A DIN-rail 48 VDC power supply with universal 85 to 264 VAC or 120 to 370 VDC input, -10 to 60°C operating temperature
DRP-240-48	DIN-rail 48 VDC power supply with 240W/5A, 85 to 264 VAC, or 120 to 370 VDC input, -10 to 70°C operating temperature

### Wall-Mounting Kits

WK-46	Wall-mounting kit, 2 plates, 8 screws, 46.5 x 66.8 x 1 mm
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### Rack-Mounting Kits

RK-4U	19-inch rack-mounting kit
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