

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 30 W
- 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供電設備 (PSE) ，讓 EDS-P206A-4PoE 交換器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 Auto negotiation speed Full/Half duplex mode Auto MDI/MDI-X connection
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
			OM1	50/125 μm	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
	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

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
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-31
Vibration	IEC 60068-2-6

MTBF

Time	EDS-P206A-4PoE: 1,398,743 hrs EDS-P206A-4PoE-M/S: 1,289,258 hrs
Standards	Telcordia (Bellcore), GB

Warranty

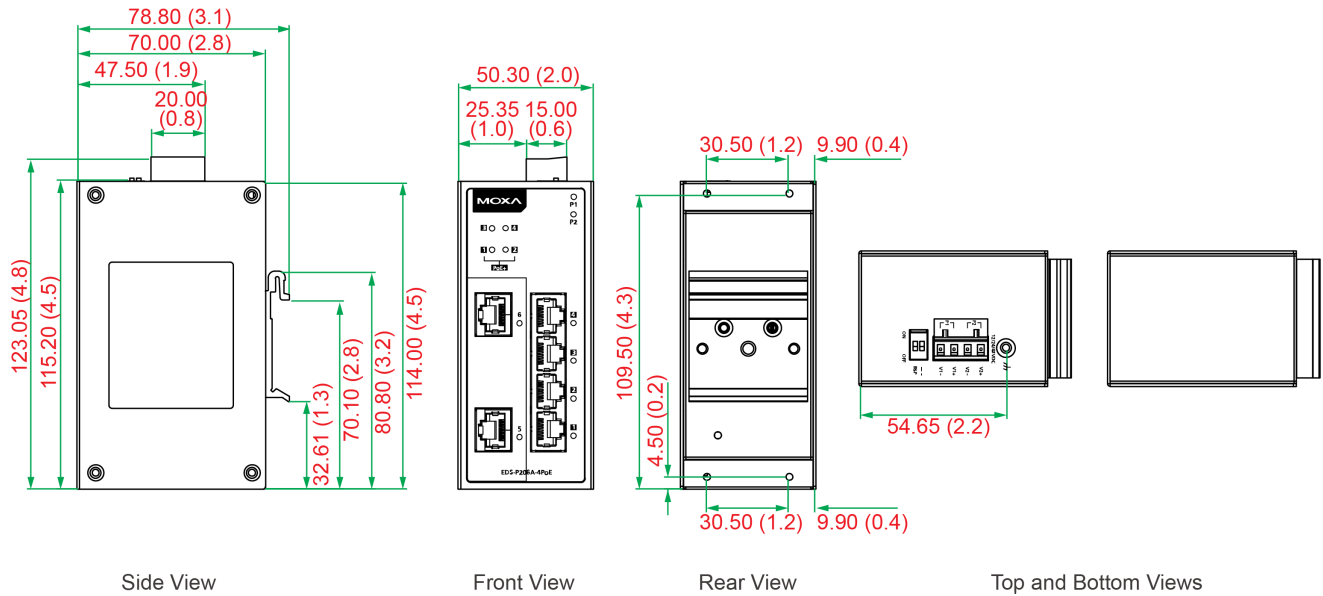
Warranty Period	5 years
Details	See www.moxa.com/warranty

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-46-01	Wall-mounting kit, 2 plates, 8 screws, 46 x 66.8 x 2 mm
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Rack-Mounting Kits

RK-4U	19-inch rack-mounting kit
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