

EDS-309 系列

9 埠非網管型乙太網路交換器



特色與優點

- 發生電源故障和通訊埠連結中斷時可透過繼電器輸出警告
- 廣播風暴保護
- -40 至 75°C 工作溫度範圍 (-T 型號)

認證



簡介

EDS-309 乙太網路交換器可為工業乙太網路連線提供經濟實惠的解決方案。此系列 9 埠交換器具有內建繼電器警告功能，可在發生電源故障或連接埠中斷時警告網路工程師。此外，此系列交換器專為嚴苛的工業環境所設計，例如由 Class 1 Div. 2 and ATEX Zone 2 標準定義的危險場所等。

此系列交換器符合 FCC、UL 和 CE 標準，支援 -10 至 60°C 的標準工作溫度範圍，或介於 -40 至 75°C 的寬工作溫度範圍；此系列中的所有交換器都經過 100% 燒機測試，確保符合工業自動化控制應用的特殊需求。EDS-309 交換器可輕鬆安裝在 DIN 軌道或配接箱中。

規格

Input/Output Interface

Alarm Contact Channels	1 relay output with current carrying capacity of 1 A @ 24 VDC
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Ethernet Interface

10/100BaseT(X) Ports (RJ45 connector)	6 Auto negotiation speed Full/Half duplex mode Auto MDI/MDI-X connection
100BaseFX Ports (multi-mode SC connector)	EDS-309-3M-SC Series: 3
100BaseFX Ports (multi-mode ST connector)	EDS-309-3M-ST Series: 3
Standards	IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) and 100BaseFX IEEE 802.3x for flow control

Switch Properties

MAC Table Size	1 K
Packet Buffer Size	512 kbits
Processing Type	Store and Forward

DIP Switch Configuration

Ethernet Interface	Port break alarm
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Power Parameters

Input Current	0.26 A @ 24 VDC
Connection	1 removable 6-contact terminal block(s)
Operating Voltage	9.6 to 60 VDC
Input Voltage	Redundant dual inputs, 12/24/48 VDC
Reverse Polarity Protection	Supported
Overload Current Protection	Supported

Physical Characteristics

Housing	Metal
IP Rating	IP30
Dimensions	53.6 x 135 x 105 mm (2.11 x 5.31 x 4.13 in)
Weight	790 g (1.75 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

Hazardous Locations	ATEX, Class I Division 2
EMI	CISPR 32, FCC Part 15B Class A
EMC	EN 55032/24
Vibration	IEC 60068-2-6
EMS	IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 MHz: 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, UL 60950-1, CSA C22.2 No. 60950-1
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32

MTBF

Time	396,595 hrs
Standards	MIL-HDBK-217F

Warranty

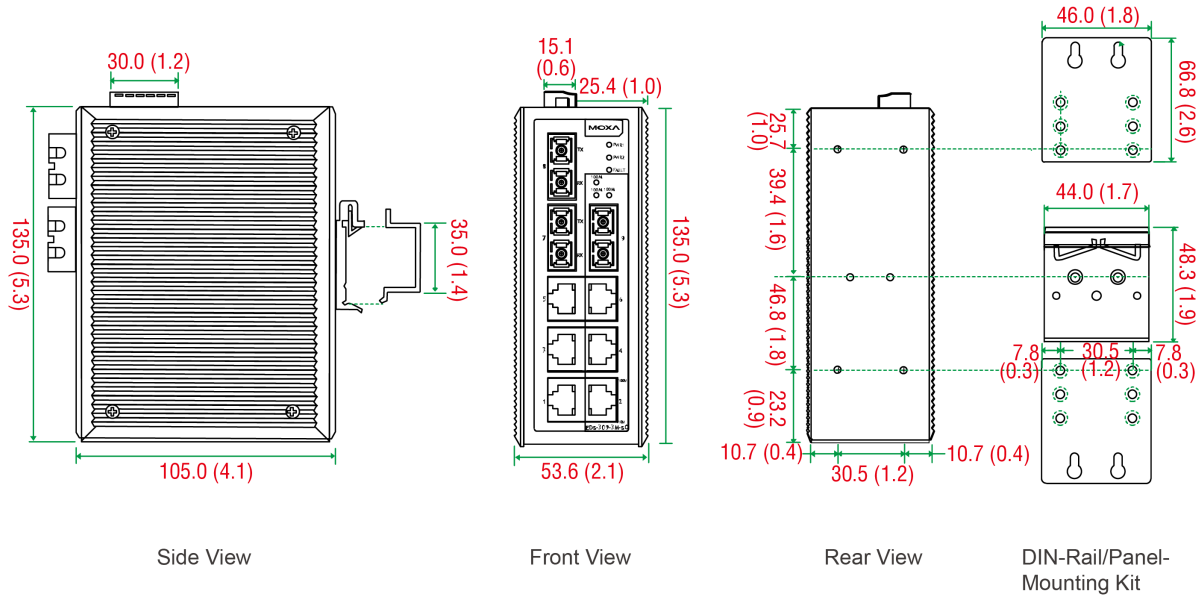
Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

Package Contents

Device	1 x EDS-309 Series switch
Installation Kit	4 x cap, plastic, for RJ45 port 3 x cap, plastic, for SC fiber port (-SC models) 3 x cap, plastic, for ST fiber port (-ST models)
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, SC Connector	100BaseFX Ports Multi-Mode, ST Connector	Operating Temp.
EDS-309-3M-SC	6	3	-	-10 to 60°C
EDS-309-3M-SC-T	6	3	-	-40 to 75°C
EDS-309-3M-ST	6	-	3	-10 to 60°C
EDS-309-3M-ST-T	6	-	3	-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-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

Wall-Mounting Kits

WK-46

Wall-mounting kit, 2 plates, 8 screws, 46.5 x 66.8 x 1 mm

Rack-Mounting Kits

RK-4U

19-inch rack-mounting kit

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