

EDS-309 系列

9 埠非網管型乙太網路交換器



特色與優點

- 電源斷電和通訊埠斷線時，可透過繼電器輸出告警
- 廣播風暴防護
- -40 至 75°C 寬操作溫度範圍 (-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 和 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

Safety	UL 60950 UL 508 CSA C22.2 No. 60950, EN 62368-1 (LVD)
EMC	EN 55032/35
EMI	CISPR 32, FCC Part 15B Class A
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
Hazardous Locations	ATEX Class I Division 2
Vibration	IEC 60068-2-6
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Maritime	DNV

MTBF

Time	2,388,799 hrs
Standards	MIL-HDBK-217F

Warranty

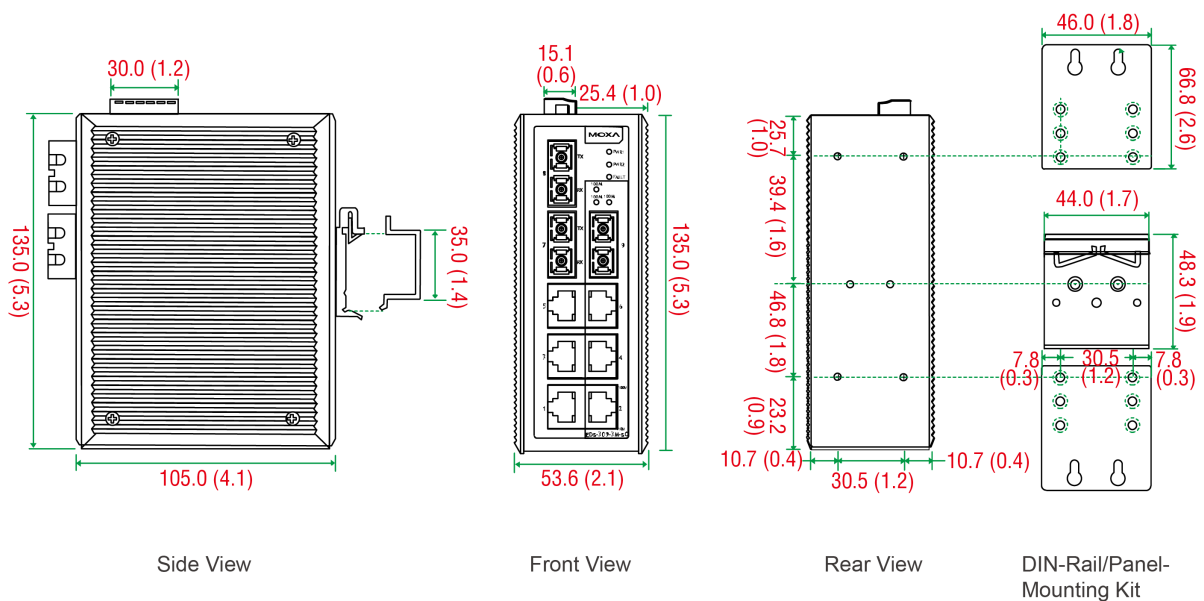
Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

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

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
HDR-60-24	60 W/2.5 A DIN-rail 24 VDC power supply, universal 85 to 264 VAC or 120 to 370 VDC input voltage, -30 to 70°C operating temperature

NDR-120-24	120 W/5.0 A DIN-rail 24 VDC power supply, universal 90 to 264 VAC or 127 to 370 VDC input voltage, -20 to 70°C operating temperature
NDR-120-48	120 W/2.5 A DIN-rail 48 VDC power supply, universal 90 to 264 VAC or 127 to 370 VDC input voltage, -20 to 70°C operating temperature
NDR-240-48	240 W/5.0 A DIN-rail 48 VDC power supply, universal 90 to 264 VAC or 127 to 370 VDC input voltage, -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
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Rack-Mounting Kits

RK-4U	19-inch rack-mounting kit
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