

# EDS-G205A 系列

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



## 特色與優點

- 全 Gigabit 乙太網路連接埠
- 符合 IEEE 802.3af/at PoE+ 標準
- 每個 PoE 埠輸出可達 36 W
- 12/24/48 VDC 冗餘電源輸入
- 支援 9.6 KB 巨型封包
- 智慧型耗電偵測與分類
- 智慧 PoE 過電流和短路保護
- -40 至 75°C 操作溫度範圍 ( -T 型號 )

## 認證



EN 50121-4



## 簡介

EDS-G205A-4PoE 交換器是智慧型 5 埠全 Gigabit 非網管型乙太網路交換器，在第 2 到第 5 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-G205A-4PoE 可以集中式管理電源供應，每埠提供高達 36W 的電源，可減少安裝電源需花費的人力。

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 10/100/1000M 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

10/100/1000BaseT(X) Ports (RJ45 connector)	EDS-G205A-4PoE Series: 5 EDS-G205A-4PoE-1GSFP Series: 4  All models support: Auto negotiation speed Full/Half duplex mode Auto MDI/MDI-X connection
100/1000BaseSFP Ports	EDS-G205A-4PoE-1GSFP Series: 1
PoE Ports (10/100/1000BaseT(X), RJ45 connector)	4
Standards	IEEE 802.3 for 10BaseT IEEE 802.3ab for 1000BaseT(X) IEEE 802.3af/at for PoE/PoE+ output IEEE 802.3u for 100BaseT(X) IEEE 802.3x for flow control IEEE 802.3z for 1000BaseX
PoE Pinout	V+, V+, V-, V- for pins 1, 2, 3, 6 (Endspan, MDI, Mode A)

### Switch Properties

MAC Table Size	8 K
Packet Buffer Size	1 Mbits

Processing Type	Store and Forward
Jumbo Frame Size	10 KB

### Power Parameters

Connection	2 removable 2-contact terminal block(s)
Input Voltage	12/24/48 VDC, Redundant dual inputs
Operating Voltage	12 to 57 VDC
Overload Current Protection	Supported
Power Consumption (Max.)	Max. 11.73 W full loading without PDs' consumption
Reverse Polarity Protection	Supported
Input Current	5.65 A @ 24 VDC
Power Budget	62 W (max.) @ 12 VDC for total PD consumption; 36 W (max.) for each PoE port 120 W (max.) @ 24 VDC for total PD consumption; 36 W (max.) for each PoE port 144 W (max.) @ 48 VDC for total PD consumption; 36 W (max.) for each PoE port

### Physical Characteristics

Housing	Metal
IP Rating	IP30
Dimensions	29 x 135 x 105 mm (1.14 x 5.31 x 4.13 in)
Weight	300 g (0.66 lb)
Installation	DIN-rail mounting, Wall mounting (with optional kit)

### Environmental Limits

Operating Temperature	Standard Models: 0 to 60°C (32 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

Freefall	IEC 60068-2-32
EMC	EN 61000-6-2/-6-4
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 GHz: 20 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV IEC 61000-4-6 CS: 10 V IEC 61000-4-8 PFMF
Railway	EN 50121-4
Safety	UL 508
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-6

## MTBF

Time	1,257,910 hrs
Standards	Telcordia (Bellcore), GB

## Warranty

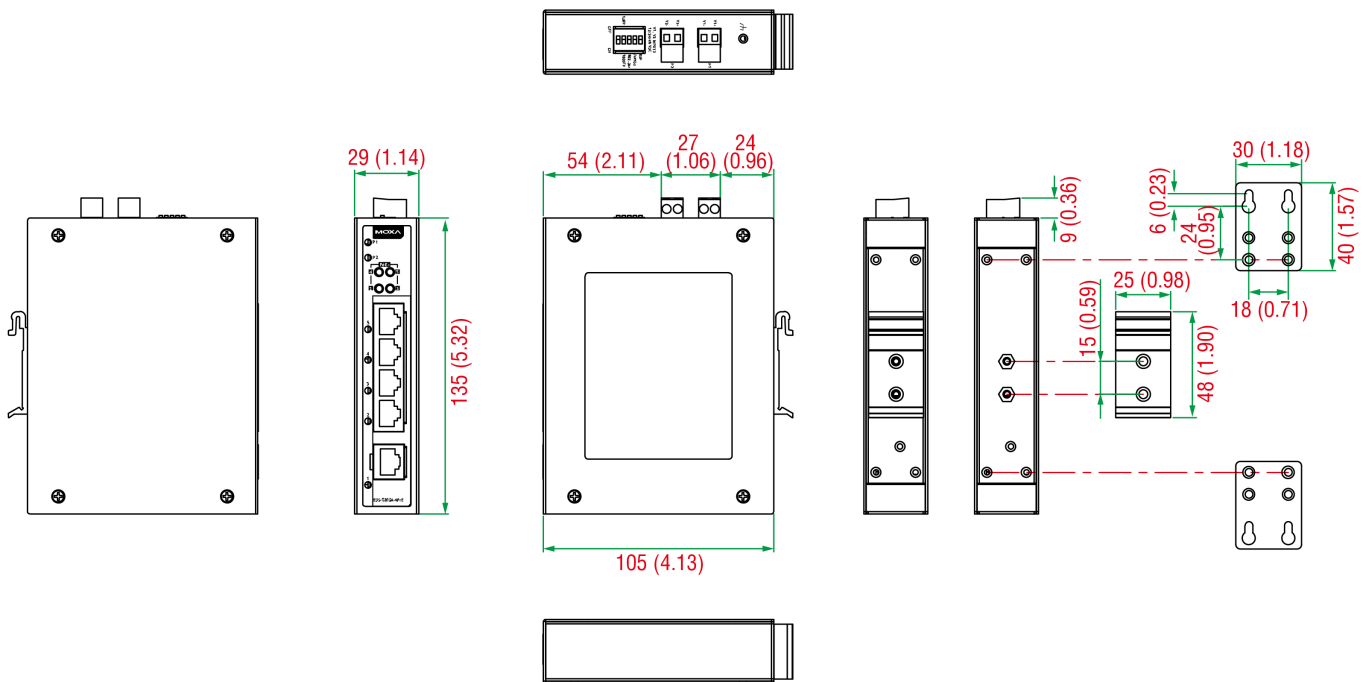
Warranty Period	5 years
Details	See <a href="http://www.moxa.com/tw/warranty">www.moxa.com/tw/warranty</a>

## Package Contents

Device	1 x EDS-G205A Series switch
Documentation	1 x quick installation guide 1 x warranty card
Note	SFP modules need to be purchased separately for use with this product.

## 尺寸

單位：公釐（英吋）



## 訂購資訊

Model Name	10/100/1000BaseT(X) Ports RJ45 Connector	100/1000Base SFP Slots	PoE Ports 10/100/1000BaseT(X), RJ45 Connector	Operating Temp.
EDS-G205A-4PoE	5	-	4	0 to 60°C
EDS-G205A-4PoE-T	5	-	4	-40 to 75°C
EDS-G205A-4PoE-1GSFP	4	1	4	0 to 60°C
EDS-G205A-4PoE-1GSFP-T	4	1	4	-40 to 75°C

## 配件 (選購)

### SFP Modules

SFP-1FELLC-T	SFP module with 1 100Base single-mode with LC connector for 80 km transmission, -40 to 85°C operating temperature
SFP-1FEMLC-T	SFP module with 1 100Base multi-mode with LC connector for 4 km transmission, -40 to 85°C operating temperature
SFP-1FESLC-T	SFP module with 1 100Base single-mode with LC connector for 40 km transmission, -40 to 85°C operating temperature
SFP-1G10ALC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1310 nm, RX 1550 nm, 0 to 60°C operating temperature
SFP-1G10ALC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1310 nm, RX 1550 nm, -40 to 85°C operating temperature
SFP-1G10BLC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1550 nm, RX 1310 nm, 0 to 60°C operating temperature
SFP-1G10BLC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 10 km transmission; TX 1550 nm, RX 1310 nm, -40 to 85°C operating temperature
SFP-1G20ALC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1310 nm, RX 1550 nm, 0 to 60°C operating temperature
SFP-1G20ALC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1310 nm, RX 1550 nm, -40 to 85°C operating temperature
SFP-1G20BLC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1550 nm, RX 1310 nm, 0 to 60°C operating temperature
SFP-1G20BLC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 20 km transmission; TX 1550 nm, RX 1310 nm, -40 to 85°C operating temperature
SFP-1G40ALC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1310 nm, RX 1550 nm, 0 to 60°C operating temperature
SFP-1G40ALC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1310 nm, RX 1550 nm, -40 to 85°C operating temperature
SFP-1G40BLC	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1550 nm, RX 1310 nm, 0 to 60°C operating temperature
SFP-1G40BLC-T	WDM-type (BiDi) SFP module with 1 1000BaseSFP port with LC connector for 40 km transmission; TX 1550 nm, RX 1310 nm, -40 to 85°C operating temperature
SFP-1GEZXLC	SFP module with 1 1000BaseEZ port with LC connector for 110 km transmission, 0 to 60°C operating temperature
SFP-1GEZXLC-120	SFP module with 1 1000BaseEZ port with LC connector for 120 km transmission, 0 to 60°C operating temperature
SFP-1GLHLC	SFP module with 1 1000BaseLH port with LC connector for 30 km transmission, 0 to 60°C operating temperature
SFP-1GLHLC-T	SFP module with 1 1000BaseLH port with LC connector for 30 km transmission, -40 to 85°C operating temperature
SFP-1GLHLC	SFP module with 1 1000BaseLHX port with LC connector for 40 km transmission, 0 to 60°C operating temperature
SFP-1GLHLC-T	SFP module with 1 1000BaseLHX port with LC connector for 40 km transmission, -40 to 85°C operating temperature
SFP-1GLSXLC	SFP module with 1 1000BaseLSX port with LC connector for 500 m transmission, 0 to 60°C operating temperature
SFP-1GLSXLC-T	SFP module with 1 1000BaseLSX port with LC connector for 500 m transmission, -40 to 85°C operating temperature
SFP-1GLXLC	SFP module with 1 1000BaseLX port with LC connector for 10 km transmission, 0 to 60°C operating temperature
SFP-1GLXLC-T	SFP module with 1 1000BaseLX port with LC connector for 10 km transmission, -40 to 85°C operating temperature
SFP-1GSXLC	SFP module with 1 1000BaseSX port with LC connector for 300/550 m transmission, 0 to 60°C operating temperature

SFP-1GSXLC-T	SFP module with 1 1000BaseSX port with LC connector for 300/550 m transmission, -40 to 85°C operating temperature
SFP-1GZXLC	SFP module with 1 1000BaseZX port with LC connector for 80 km transmission, 0 to 60°C operating temperature
SFP-1GZXLC-T	SFP module with 1 1000BaseZX port with LC connector for 80 km transmission, -40 to 85°C operating temperature

### 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-30	Wall-mounting kit, 2 plates, 4 screws, 40 x 30 x 1 mm
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### Rack-Mounting Kits

RK-4U	19-inch rack-mounting kit
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