

EDS-G205Aシリーズ

4つのIEEE 802.3af/at PoE+ポート付きの5ポートフルギガビットアンマネージドイーサネットスイッチ



機能とメリット

- フルギガビットイーサネットポート
- IEEE 802.3af/at、PoE+規格
- PoEポートあたり最大36 Wの出力
- 12/24/48 VDC冗長電源入力
- 9.6 KBジャンボフレームをサポート
- インテリジェントな電力消費の検出と分類
- スマートなPoE過電流と短絡の保護
- -40～75°Cの動作温度範囲（-Tモデル）

認証



EN 50121-4



製品紹介

EDS-G205A-4PoEスイッチはスマートな5ポートアンマネージドフルギガビットイーサネットスイッチで、ポート2から5でPower-over-Ethernetをサポートします。このスイッチは給電機器（PSE）として分類され、これにより電源の集中化を実現し、ポートあたり最大36ワットの電力を供給し、電源設置に必要な手間を削減します。

このスイッチは、IEEE 802.3af/at規格のデバイス（電源装置）に電力を供給することができるため、追加の配線を不要にします。また、10/100/1000M、全二重/半二重、MDI/MDI-XオートセンシングによりIEEE 802.3/802.3u/802.3xをサポートし、産業用イーサネットネットワークに経済的な高帯域幅ソリューションを提供します。

仕様

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

Safety	UL 508 EN 62368-1 (LVD)
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

Vibration	IEC 60068-2-6
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32

MTBF

Time	EDS-G205A-4PoE: 1,564,608 hrs EDS-G205A-4PoE-1GSFP: 1,549,997 hrs
Standards	Telcordia (Bellcore), GB

Warranty

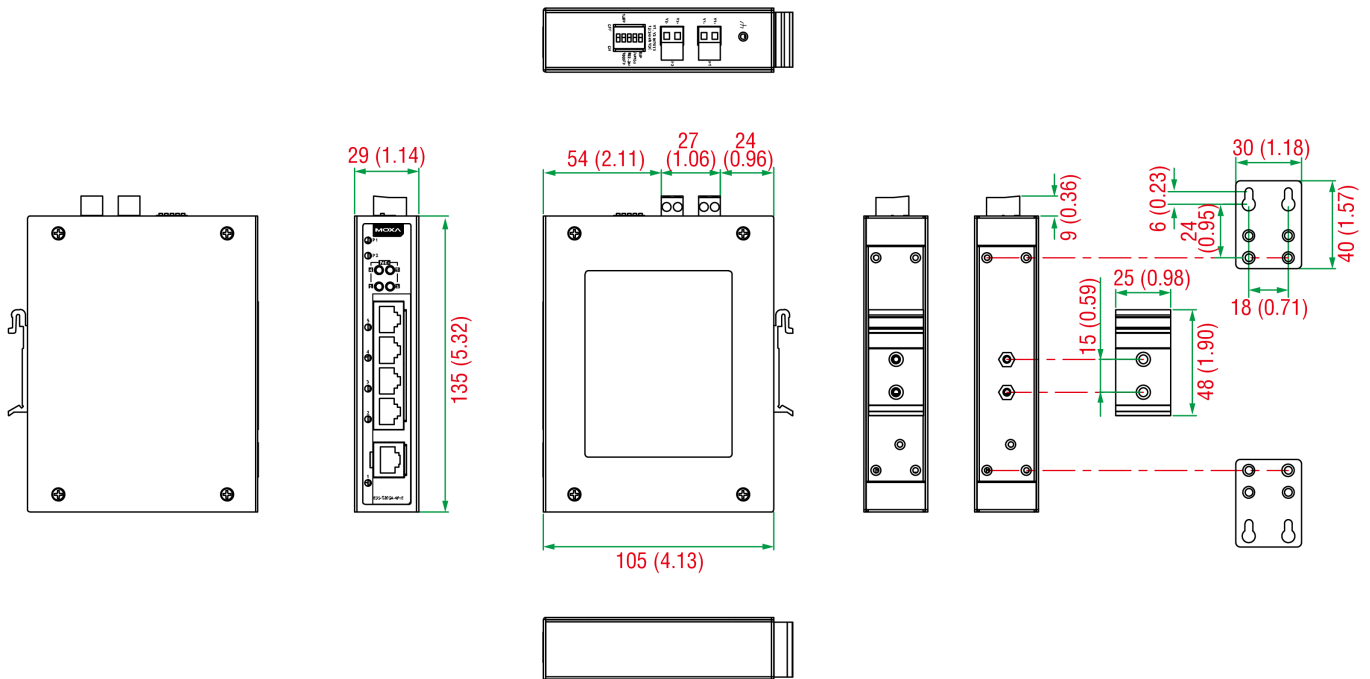
Warranty Period	5 years
Details	See www.moxa.com/jp/warranty

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.

寸法

単位：mm（インチ）



注文情報

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

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-1GSFP	4	1	4	0 to 60°C
EDS-G205A-4PoE-1GSFP-T	4	1	4	-40 to 75°C

アクセサリ（別売）

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, LC connector for 2/4 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-1GEZXC	SFP module with 1 1000BaseEZXC port with LC connector for 110 km transmission, 0 to 60°C operating temperature
SFP-1GEZXC-120	SFP module with 1 1000BaseEZXC 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-1GLHXLC	SFP module with 1 1000BaseLHX port with LC connector for 40 km transmission, 0 to 60°C operating temperature
SFP-1GLHXLC-T	SFP module with 1 1000BaseLHX port with LC connector for 40 km transmission, -40 to 85°C operating temperature
SFP-1GLSXC	SFP module with 1 1000BaseLSXC port with LC connector for 1km/2km transmission, 0 to 60°C operating temperature
SFP-1GLSXC-T	SFP module with 1 1000BaseLSXC port with LC connector for 1km/2km 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 300m/550m transmission, 0 to 60°C operating temperature
SFP-1GSXLC-T	SFP module with 1 1000BaseSX port with LC connector for 300m/550m 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

Rack-Mounting Kits

RK-4U	19-inch rack-mounting kit
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Wall-Mounting Kits

WK-30	Wall-mounting kit, 2 plates, 4 screws, 30 x 66.8 x 2 mm
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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
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
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
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

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