

IMC-21GA 系列

工業級 Gigabit 乙太網路轉光纖媒體轉換器



特色與優點

- 支援 1000Base-SX/LX 之 SC 連接器或 SFP 插槽
- 支援故障轉移 (LFPT) 功能
- 10K 巨型封包
- 備援電源輸入
- -40 至 75°C 操作溫度範圍 (-T 型號)
- 支援節能乙太網路 (IEEE 802.3az)

認證



簡介

IMC-21GA 工業級 Gigabit 媒體轉換器是專為提供可靠與穩定的 10/100/1000BaseT(X) 轉 100/1000Base-SX/LX 或 100/1000Base SFP 模組媒體轉換而設計。IMC-21GA 支援 IEEE 802.3az (節能乙太網路) 和 10K 巨型封包，因此可以省電並提高傳輸效能。所有 IMC-21GA 型號均經過 100% 高溫測試，並提供標準型號 (支援 0 至 60°C 操作溫度) 及寬溫型號 (支援 -40 至 75°C 操作溫度) 予您選用。

規格

Ethernet Interface

10/100/1000BaseT(X) Ports (RJ45 connector)	1
100/1000BaseSFP Ports	IMC-21GA models: 1
1000BaseSX Ports (multi-mode SC connector)	IMC-21GA-SX-SC models: 1
1000BaseLX Ports (single-mode SC connector)	IMC-21GA-LX-SC models: 1
Magnetic Isolation Protection	1.5 kV (built-in)

Optical Fiber

	1000BaseSX	1000BaseLX
Wavelength	850 nm	1310 nm
Tx Output (dBm)	-3 to -10	-3 to -9
Rx Sensitivity (dBm)	-3 to -20	-3 to -21
Link Budget (dBm)	10	12
Typical Distance	500 m	10 km

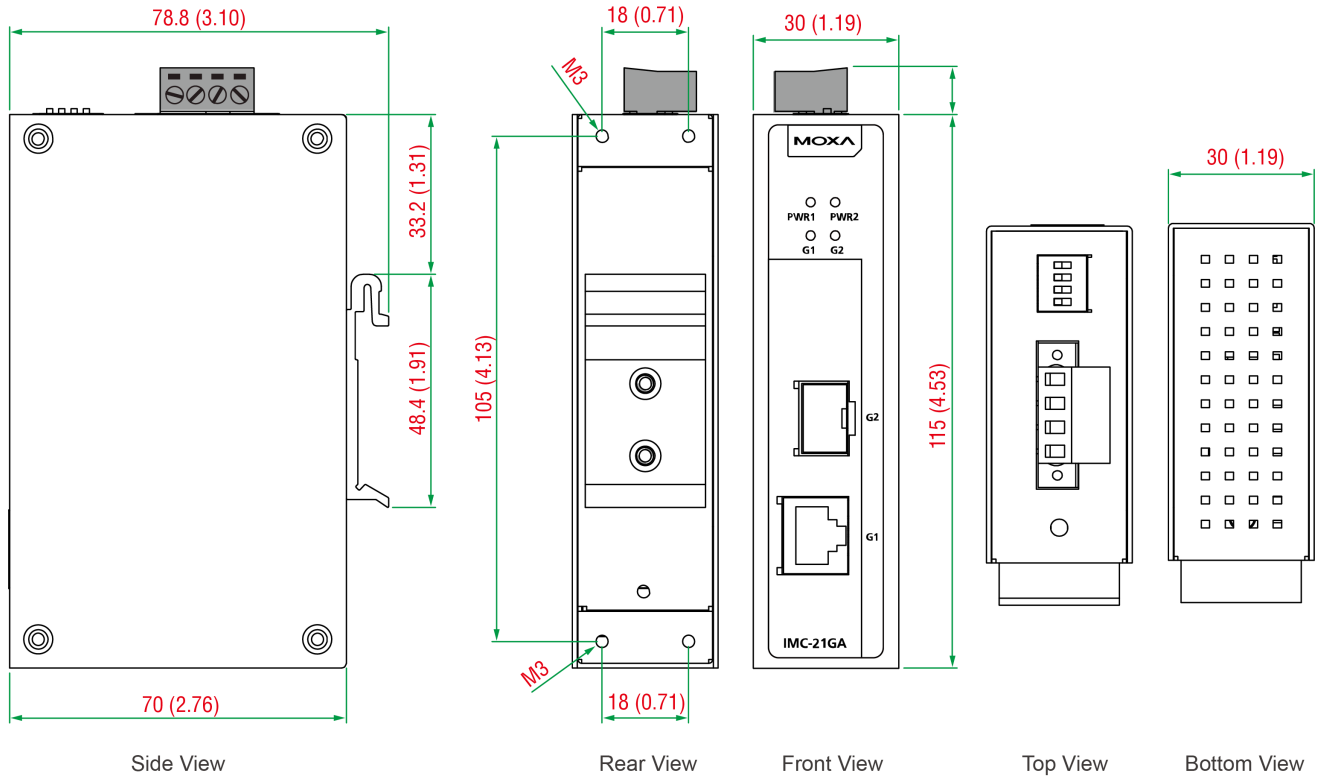
Power Parameters

Input Current	284.7 mA @ 12 to 48 VDC
Input Voltage	12 to 48 VDC
Overload Current Protection	Supported

Power Connector	Terminal block
Power Consumption	284.7 mA @ 12 to 48 VDC
Physical Characteristics	
Housing	Metal
Dimensions	30 x 125 x 79 mm (1.19 x 4.92 x 3.11 in)
Weight	170 g (0.37 lb)
Installation	DIN-rail mounting
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 75°C (-40 to 167°F)
Ambient Relative Humidity	5 to 95% (non-condensing)
Standards and Certifications	
EMC	EN 55032/24
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: 10 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 10 V/m; Signal: 10 V/m IEC 61000-4-8 PFMF IEC 61000-4-11
Environmental Testing	IEC 60068-2-1 IEC 60068-2-2 IEC 60068-2-3
Safety	EN 60950-1, UL 60950-1
Vibration	IEC 60068-2-6
MTBF	
Time	2,762,058 hrs
Standards	MIL-HDBK-217F
Warranty	
Warranty Period	5 years
Details	See www.moxa.com/tw/warranty
Package Contents	
Device	1 x IMC-21GA Series converter
Documentation	1 x quick installation guide 1 x warranty card

尺寸

單位：公釐 (英吋)



訂購資訊

Model Name	Operating Temp.	Fiber Module Type
IMC-21GA	-10 to 60°C	SFP
IMC-21GA-T	-40 to 75°C	SFP
IMC-21GA-SX-SC	-10 to 60°C	Multi-mode SC
IMC-21GA-SX-SC-T	-40 to 75°C	Multi-mode SC
IMC-21GA-LX-SC	-10 to 60°C	Single-mode SC
IMC-21GA-LX-SC-T	-40 to 75°C	Single-mode SC

配件 (選購)

SFP Modules

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 Applicable Models: IMC-21GA
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 Applicable Models: IMC-21GA-T
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 Applicable Models: IMC-21GA

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 Applicable Models: IMC-21GA-T
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 Applicable Models: IMC-21GA
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 Applicable Models: IMC-21GA-T
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 Applicable Models: IMC-21GA
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 Applicable Models: IMC-21GA-T
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 Applicable Models: IMC-21GA
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 Applicable Models: IMC-21GA-T
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 Applicable Models: IMC-21GA
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 Applicable Models: IMC-21GA-T
SFP-1GLHLC-T	SFP module with 1 1000BaseLH port with LC connector for 30 km transmission, -40 to 85°C operating temperature Applicable Models: IMC-21GA-T
SFP-1GLHXLC	SFP module with 1 1000BaseLHX port with LC connector for 40 km transmission, 0 to 60°C operating temperature Applicable Models: IMC-21GA
SFP-1GLHLC	SFP module with 1 1000BaseLH port with LC connector for 30 km transmission, 0 to 60°C operating temperature Applicable Models: IMC-21GA
SFP-1GLXLC-T	SFP module with 1 1000BaseLX port with LC connector for 10 km transmission, -40 to 85°C operating temperature Applicable Models: IMC-21GA-T
SFP-1GZXLC	SFP module with 1 1000BaseZX port with LC connector for 80 km transmission, 0 to 60°C operating temperature Applicable Models: IMC-21GA

SFP-1GEZXC-120	SFP module with 1 1000BaseEZXC port with LC connector for 120 km transmission, 0 to 60°C operating temperature Applicable Models: IMC-21GA
SFP-1GLSXLC	SFP module with 1 1000BaseLSXC port with LC connector for 1km/2km transmission, 0 to 60°C operating temperature Applicable Models: IMC-21GA
SFP-1GLSXLC-T	SFP module with 1 1000BaseLSXC port with LC connector for 1km/2km transmission, -40 to 85°C operating temperature Applicable Models: IMC-21GA-T
SFP-1GLXLC	SFP module with 1 1000BaseLXC port with LC connector for 10 km transmission, 0 to 60°C operating temperature Applicable Models: IMC-21GA
SFP-1GLHXLC-T	SFP module with 1 1000BaseLXC port with LC connector for 40 km transmission, -40 to 85°C operating temperature Applicable Models: IMC-21GA-T
SFP-1GEZXC	SFP module with 1 1000BaseEZXC port with LC connector for 110 km transmission, 0 to 60°C operating temperature Applicable Models: IMC-21GA
SFP-1GZXC-T	SFP module with 1 1000BaseZXC port with LC connector for 80 km transmission, -40 to 85°C operating temperature Applicable Models: IMC-21GA-T
SFP-1FELLC-T	SFP module with 1 100Base single-mode with LC connector for 80 km transmission, -40 to 85°C operating temperature Applicable Models: IMC-21GA-T
SFP-1FEMLC-T	SFP module with 1 100Base multi-mode, LC connector for 2/4 km transmission, -40 to 85°C operating temperature Applicable Models: IMC-21GA-T
SFP-1FESLC-T	SFP module with 1 100Base single-mode with LC connector for 40 km transmission, -40 to 85°C operating temperature Applicable Models: IMC-21GA-T

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

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-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-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

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