

IMC-P21A-G2 系列

PoE+ 快速乙太網路轉光纖媒體轉換器



特色與優點

- 10/100BaseT(X) 自動協商和自動 MDI/MDI-X
- 符合 IEEE 802.3af (PoE) 與 IEEE 802.3at (PoE+) 標準
- 每個 PoE+ 連接埠輸出可達 36 W
- 支援儲存轉發模式以及透通模式
- -10 至 60°C 操作溫度範圍
- 備援雙直流電源輸入

認證



簡介

IMC-P21A-G2 PoE+ 快速乙太網路轉光纖媒體轉換器 旨在提供可靠且穩定的 10/100BaseT(X) 到 100Base-FX 媒體 轉換。此轉換器被歸類為電源供應設備 (PSE)，可用於直接為受電裝置 (PD) 供電，無須 額外接線。

IMC-P21A-G2 PoE+ 快速乙太網路轉光纖媒體轉換器 在標準模式下為 PoE+ 連接埠提供最高 30 瓦電力，同時在高覆載工業級 PoE 裝置 可允許高達 36 瓦的高功率輸出，例如附帶雨刷/加熱器，可耐風雨的 IP 監視攝影機、高效能的無線存取點以及 IP 電話。IMC-P21A-G2 媒體轉換器用途廣泛，具有 SC 或 ST 光纖連接埠，可將資料從裝置傳輸至控制中心（最遠可達 40 公里），並且 具有高度 EMI 抗擾性。

PoE+ 快速乙太網路轉光纖媒體轉換器支援各種 有用的功能，以及 PoE 診斷、故障移轉功能(Link Fault Pass-through)、儲存轉發模式和透通模式。IMC-P21A-G2 轉換器 支援 IEEE 802.3/802.3u/802.3x 的 10/100M 和 MDIX 自動感測功能，為您的工業級乙太網路提供完整的解決方案。

規格

Ethernet Interface

100BaseFX Ports (multi-mode SC connector)	IMC-P21A-G2-M-SC models: 1				
100BaseFX Ports (multi-mode ST connector)	IMC-P21A-G2-M-ST models: 1				
100BaseFX Ports (single-mode SC connector)	IMC-P21A-G2-S-SC models: 1				
PoE Ports (10/100BaseT(X), RJ45 connector)	1				
Optical Fiber					
	Fiber Module Optical Interface		Multi-mode		Single-mode
	Fiber Data Rate		100Base-FX		
	Fiber Cable Requirements		62.5/125 μm	50/125 μm	9/125 μm
			OM1	OM2/OM3/OM4	OS2 (G.652)
	Typical Distance		2 km	5 km	40 km
	Wavelength	Typical (nm)	1310		
		TX Range (nm)	1260 to 1360		1280 to 1340
		RX Range (nm)	1100 to 1600		1100 to 1600
	Optical Power	TX Range (dbm)	-10 to -20		0 to -5
RX Range (dbm)		-3 to -32		-3 to -34	

	Fiber Module Optical Interface		Multi-mode		Single-mode			
	Fiber Data Rate		100Base-FX					
	Fiber Cable Requirements		62.5/125 μm		50/125 μm		9/125 μm	
			OM1		OM2/OM3/OM4		OS2 (G.652)	
			Link Budget (dB)		12		29	
			Dispersion Penalty (dB)		3		1	
	Note:							
	1. When connecting a single-mode fiber transceiver, we recommend using an attenuator to prevent damage caused by excessive optical power. 2. Compute the “Typical Distance” of a specific fiber transceiver as follows: Link budget (dB) > dispersion penalty (dB) + total link loss (dB). 3. An OS1 cable can be used for single-mode models. However, an OS2 cable is required to achieve a transmission distance of 40 km.							

Magnetic Isolation Protection	1.5 kV (built-in)
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Power Parameters

Input Voltage	44 to 57 VDC PoE+ output: > 52 VDC recommended PoE output: > 44 VDC recommended
Power Consumption	Max 828 mA
Overload Current Protection	Supported

Physical Characteristics

Housing	Metal
IP Rating	IP40 (with I/O modules attached)
Dimensions	90 x 73 x 20.3 mm (3.54 x 2.87 x 0.79 in)
Weight	Product Only: 212 g (0.47 lb)
Installation	DIN-rail mounting

Environmental Limits

Operating Temperature	-10 to 60°C (14 to 140°F)
Storage Temperature (package included)	-40 to 85°C (-40 to 185°F)
Ambient Relative Humidity	5 to 95% (non-condensing)

Standards and Certifications

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 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; Signal: 10 V IEC 61000-4-8 PFMF
Shock	IEC 60068-2-27

Vibration	IEC 60068-2-6 IEC 60068-2-64
Freefall	ISTA 1A

MTBF

Time	6,708,861 hrs
Standards	Telcordia SR332

Warranty

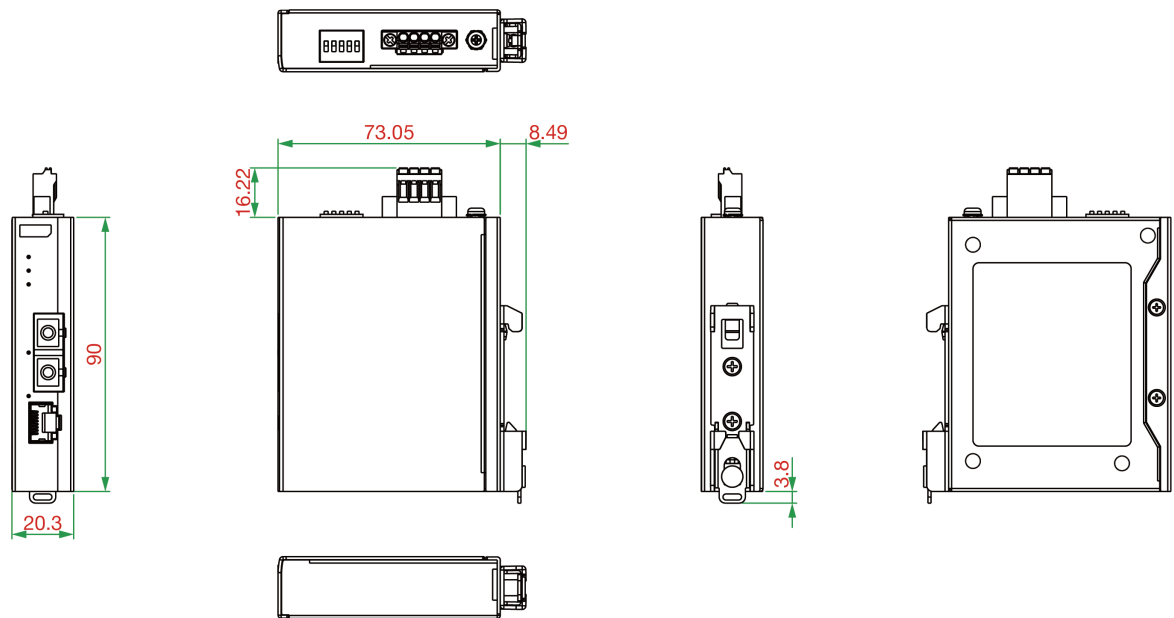
Warranty Period	5 years
Details	See www.moxa.com/warranty

Package Contents

Device	1 x IMC-P21A-G2 Series converter
Documentation	1 x quick installation guide 1 x warranty card

尺寸

單位：公釐



訂購資訊

Model Name	Operating Temperature	Fiber Module Type
IMC-P21A-G2-M-ST	-10 to 60°C	Multi-mode ST
IMC-P21A-G2-M-SC	-10 to 60°C	Multi-mode SC
IMC-P21A-G2-S-SC	-10 to 60°C	Multi-mode SC

配件（選購）

Wall-Mounting Kits

WK-20-02	Wall-mounting kit, 3 screws, 20 x 140 x 2 mm
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