

IMC-P101 系列

IEEE 802.3af PoE 乙太網路轉光纖媒體轉換器



特色與優點

- 10/100BaseT(X) 自動協調和自動 MDI/MDI-X
- IEEE 802.3af 相容的 PoE PSE 設備
- 透過繼電器輸出發出電源故障告警
- 支援儲存轉發模式以及透通模式
- -40 至 75°C 操作溫度範圍 (-T 型號)
- 備援雙直流電源輸入

認證



簡介

IMC-P101 乙太網路轉光纖媒體轉換器可提供從 10/100BaseT(X) 轉為 100BaseFX (SC/ST 連接器) 的乙太網路媒體轉換。這些轉換器被歸類為電源供應設備 (PSE)，在做為供電設備使用時，它們可為 IEEE 802.3af 相容的受電設備 (PD) 提供高達 15.4 瓦的電力，無須額外接線。IMC-P101 轉換器支援 IEEE 802.3/802.3u/802.3x 的 10/100M、全/半雙工和 MDI/MDI-X 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-P101-M-SC Series: 1			
100BaseFX Ports (multi-mode ST connector)		IMC-P101-M-ST Series: 1			
100BaseFX Ports (single-mode SC connector)		IMC-P101-S-SC Series: 1			
100BaseFX Ports (single-mode ST connector)		IMC-P101-S-ST Series: 1			
Optical Fiber					
				100BaseFX	
				Multi-Mode	Single-Mode
		Fiber Cable Type		OM1	G.652
				50/125 μm	
				800 MHz x km	
		Typical Distance		4 km	40 km
				5 km	
Wavelength	Typical (nm)	1300		1310	
	TX Range (nm)	1260 to 1360		1280 to 1340	
	RX Range (nm)	1100 to 1600		1100 to 1600	

			100BaseFX			
			Multi-Mode		Single-Mode	
	Fiber Cable Type		OM1	50/125 μm	G.652	
				800 MHz x km		
	Optical Power	TX Range (dBm)		-10 to -20		0 to -5
		RX Range (dBm)		-3 to -32		-3 to -34
Link Budget (dB)		12		29		
Dispersion Penalty (dB)		3		1		
Note: When connecting a single-mode fiber transceiver, we recommend using an attenuator to prevent damage caused by excessive optical power. Note: Compute the “typical distance” of a specific fiber transceiver as follows: Link budget (dB) > dispersion penalty (dB) + total link loss (dB).						
Magnetic Isolation Protection		1.5 kV (built-in)				
PoE Ports (10/100BaseT(X), RJ45 connector)		1				

Power Parameters

Input Current	430 mA @ 46 to 57 VDC
Input Voltage	46 to 57 VDC
Overload Current Protection	Supported
Power Consumption	430 mA @ 46 to 57 VDC

Physical Characteristics

Housing	Metal
Dimensions	144.5 x 122.3 x 51.65 mm (5.69 x 4.81 x 2.03 in)
Weight	710 g (1.56 lb)
Installation	DIN-rail mounting

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

EMC	EN 55032/24
EMI	CISPR 32, FCC Part 15B Class A
EMS	IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/m IEC 61000-4-4 EFT: Power: 4 kV; Signal: 2 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 60068-2-2 IEC 60068-2-3

Safety	EN 60950-1, UL 60950-1
Vibration	IEC 60068-2-6

MTBF

Time	435,210 hrs
Standards	Telcordia (Bellcore), GB

Warranty

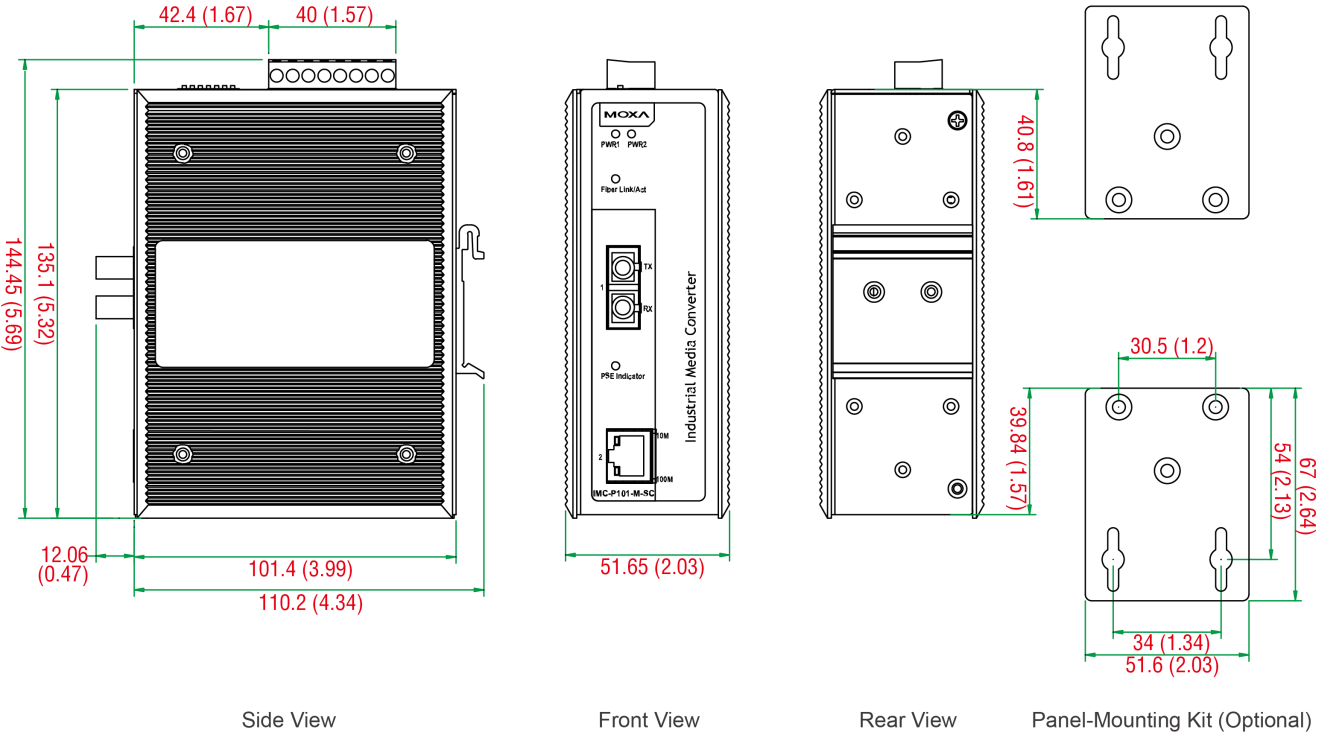
Warranty Period	5 years
Details	See www.moxa.com/tw/warranty

Package Contents

Device	1 x IMC-P101 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-P101-M-SC	0 to 60°C	Multi-mode SC
IMC-P101-M-ST	0 to 60°C	Multi-mode ST
IMC-P101-S-SC	0 to 60°C	Single-mode SC
IMC-P101-S-ST	0 to 60°C	Single-mode ST
IMC-P101-M-SC-T	-40 to 75°C	Multi-mode SC
IMC-P101-M-ST-T	-40 to 75°C	Multi-mode ST

Model Name	Operating Temp.	Fiber Module Type
IMC-P101-S-SC-T	-40 to 75°C	Single-mode SC
IMC-P101-S-ST-T	-40 to 75°C	Single-mode ST

配件（選購）

Rack-Mounting Kits

RK-4U	19-inch rack-mounting kit
-------	---------------------------

Wall-Mounting Kits

WK-46	Wall-mounting kit, 2 plates, 8 screws, 46.5 x 66.8 x 1 mm
-------	---

© Moxa Inc. 版權所有. 2020 年 4 月 14 日更新。

未經 Moxa Inc. 明確書面許可，不得以任何方式複製或使用本文件及其任何部分。產品規格如有變更，恕不另行通知。請至本公司官網了解最新的產品資訊。