

IMC-21 系列

入門工業級 10/100BaseT(X) 轉 100BaseFX 媒體轉換器



特色與優點

- 支援多模或單模，帶有 SC 或 ST 光纖連接器
- 支援故障轉移 (LFPT) 功能
- 透過 DIP 開關可選擇 FDX/HDX/10/100/Auto/Force

認證



簡介

IMC-21 工業級媒體轉換器是入門級 10/100BaseT(X) 轉 100BaseFX 媒體轉換器，專為在嚴峻的工業環境下提供可靠以及穩定的操作而設計。此款轉換器是一個極具成本效益的解決方案，支援 12 或 48 VDC 電源輸入，且可在 -10 至 60°C 溫度下穩定運作。堅固耐用的硬體設計可確保您的乙太網路設備足以承受苛刻的工業環境。IMC-21 轉換器可輕鬆安裝在 DIN 軌道或配電箱中。

規格

Ethernet Interface	
10/100BaseT(X) Ports (RJ45 connector)	1
100BaseFX Ports (multi-mode SC connector)	IMC-21-M-SC: 1
100BaseFX Ports (multi-mode ST connector)	IMC-21-M-ST: 1
100BaseFX Ports (single-mode SC connector)	IMC-21-S-SC: 1

Magnetic Isolation Protection	1.5 kV (built-in)			
Optical Fiber			100BaseFX	
			Multi-Mode	Single-Mode
	Fiber Cable Type		OM1	50/125 μm
				800 MHz x km
	Typical Distance		4 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
	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).			

Power Parameters

Input Current	271 mA @ 12 to 48 VDC
Input Voltage	12 to 48 VDC
Overload Current Protection	Supported
Power Consumption	271 mA @ 12 to 48 VDC

Physical Characteristics

Housing	Plastic
IP Rating	IP30
Dimensions	25 x 109 x 97 mm (0.98 x 4.29 x 3.82 in)
Weight	125 g (0.27 lb)
Installation	DIN-rail mounting

Environmental Limits

Operating Temperature	-10 to 60°C (14 to 140°F)
Storage Temperature (package included)	-40 to 70°C (-40 to 158°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: 3 V/m IEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV IEC 61000-4-5 Surge: Power: 1 kV; Signal: 1 kV

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