

# IMC-21A 系列

## 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
- -40 至 75°C 操作溫度範圍 ( -T 型號 )
- 透過 DIP 開關可選擇 FDX/HDX/10/100/Auto/Force

### 認證



### 簡介

IMC-21A 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。此款轉換器可以在 -40 至 75°C 的溫度範圍下穩定運作。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-21A 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-21A-M-SC Series: 1
100BaseFX Ports (multi-mode ST connector)	IMC-21A-M-ST Series: 1
100BaseFX Ports (single-mode SC connector)	IMC-21A-S-SC Series: 1
Magnetic Isolation Protection	1.5 kV (built-in)

#### Optical Fiber

		100BaseFX	
		Multi-Mode	Single-Mode
Fiber Cable Type	OM1	50/125 $\mu$ m	G.652
		800 MHz x km	
Typical Distance		4 km	40 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

		100BaseFX		
		Multi-Mode		Single-Mode
Fiber Cable Type	OM1	50/125 $\mu$ m	G.652	
		800 MHz x km		
	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	265 mA @ 12 to 48 VDC
Input Voltage	12 to 48 VDC
Overload Current Protection	Supported
Power Connector	Terminal block
Power Consumption	265 mA @ 12 to 48 VDC
Reverse Polarity Protection	Supported

### Physical Characteristics

Housing	Metal
IP Rating	IP30
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)

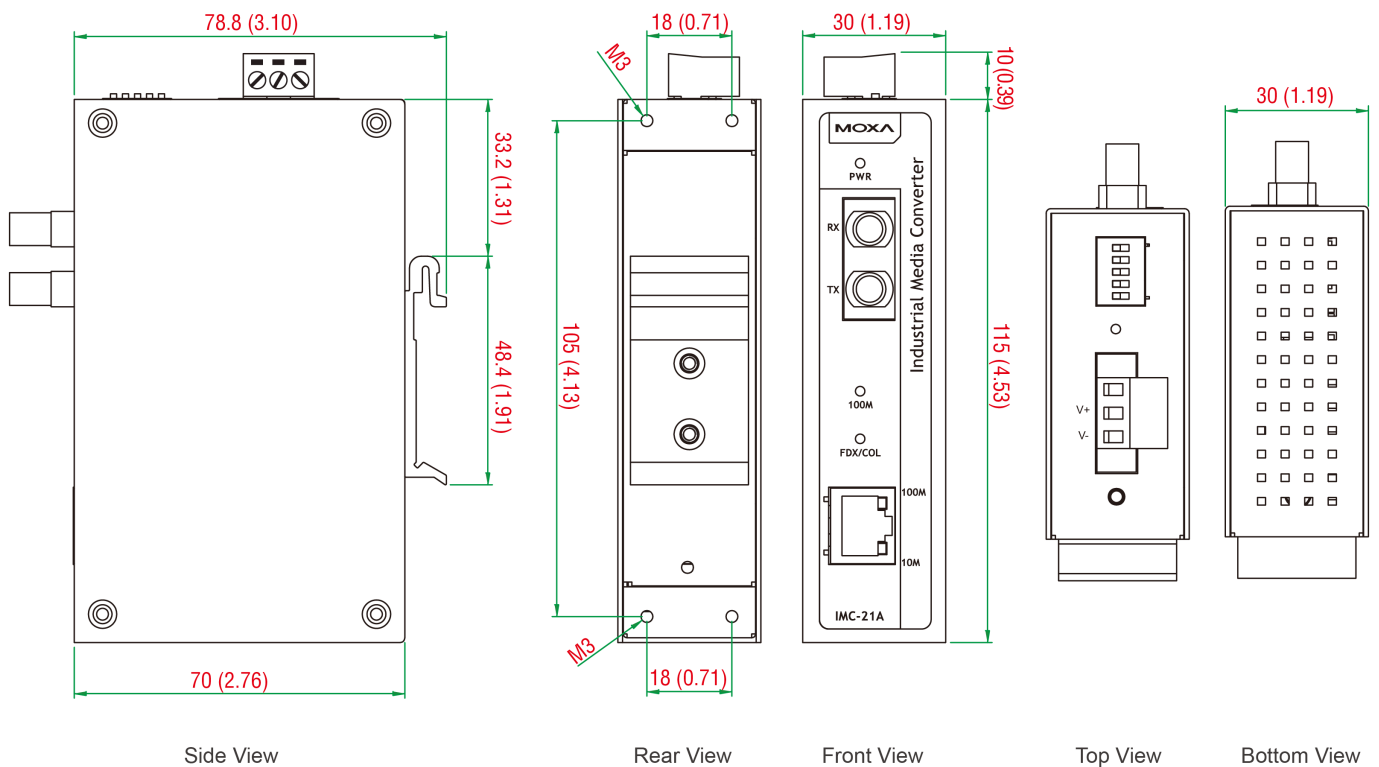
### Standards and Certifications

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: 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 IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m; Signal: 3 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
<b>MTBF</b>	
Time	353,000 hrs
Standards	MIL-HDBK-217F
<b>Warranty</b>	
Warranty Period	5 years
Details	See <a href="http://www.moxa.com/tw/warranty">www.moxa.com/tw/warranty</a>
<b>Package Contents</b>	
Device	1 x IMC-21A 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-21A-M-SC	-10 to 60°C	Multi-mode SC
IMC-21A-M-ST	-10 to 60°C	Multi-mode ST
IMC-21A-S-SC	-10 to 60°C	Single-mode SC
IMC-21A-M-SC-T	-40 to 75°C	Multi-mode SC

Model Name	Operating Temp.	Fiber Module Type
IMC-21A-M-ST-T	-40 to 75°C	Multi-mode ST
IMC-21A-S-SC-T	-40 to 75°C	Single-mode SC

© Moxa Inc. 版權所有. 2021 年 5 月 31 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。