

IMC-P21GA-G2シリーズ

PoE+ギガビットイーサネット - ファイバメディアコンバータ



機能とメリット

- 10/100BaseT (X) 自動ネゴシエーションおよび自動MDI/MDI-X
- IEEE 802.3af (PoE)およびIEEE 802.3at (PoE+)規格準拠
- PoE+ポートで最大36ワットの出力
- ストアアンドフォワードモードとパススルーモードに対応
- 動作温度範囲-10~60°C
- 冗長なデュアルDC電源入力

認証



製品紹介

IMC-P21GA-G2 PoE+ギガビットイーサネット - ファイバメディアコンバータは、信頼性が高く安定した10/100/1000BaseT(X) から 100/1000Base-SX/LXまたは選択した100/1000Base SFPモジュールメディア変換を提供するように設計されています。このコンバータは電源装置 (PSE) に分類され、受電装置 (PD) に電力を直接に供給するため、追加の配線は不要です。

IMC-P21GA-G2 PoE+ギガビットイーサネットからファイバーへのメディアコンバータは、標準モードでPoE+ポートに最大30ワットの電力を供給し、ワイパー/ヒーター付きの耐候性IP監視カメラ、高性能ワイヤレスアクセスポイント、IP電話などの高負荷産業用PoEデバイスに最大36ワットの高電力出力が可能です。IMC-P21GA-G2メディアコンバータは汎用性が高く、SFPファイバポートを備え、デバイスからコントロールセンターまで最大80 kmまで高いEMI耐性でデータを送信できます。

PoEギガビットイーサネット - ファイバメディアコンバーターは、PoE診断、リンク障害パススルー、ストアアンドフォワードモード、パススルーモードなど、さまざまな便利な機能をサポートします。IMC-P21GA-G2コンバータは、10/100/1000MおよびMDI/MDI-X自動検知に対応し、IEEE 802.3/802.3u/802.3x規格に準拠しており、産業用イーサネット ネットワークに完全なソリューションを提供します。

仕様

Ethernet Interface

100/1000BaseSFP Ports	IMC-P21GA-G2 models: 1
1000BaseSX Ports (multi-mode SC connector)	IMC-P21GA-G2-SX-SC models: 1
1000BaseLX Ports (single-mode SC connector)	IMC-P21GA-G2-LX-SC models: 1
PoE Ports (10/100BaseT(X), RJ45 connector)	1

Optical Fiber	Fiber Module Optical Interface		Multi-mode	Single-mode	
	Fiber Data Rate		1000Base-SX	1000Base-LX	
	Fiber Cable Requirements		62.5/125 μm	50/125 μm	9/125 μm
			OM1	OM2/OM3/OM4	OS1/OS2
	Typical Distance		550 m	550 m	10 km
	Wavelength	Typical (nm)	850	850	1310
		TX Range (nm)	830 to 870	830 to 870	1280 to 1340
		RX Range (nm)	770 to 870	770 to 870	1100 to 1600
	Optical Power	TX Range (dbm)	-3 to -10	-3 to -10	-3 to 9
		RX Range (dbm)	-3 to -20	-3 to -20	-3 to -21
		Link Budget (dB)	10	10	12
		Dispersion Penalty (dB)	3	3	1
	<p>Note:</p> <ol style="list-style-type: none"> When connecting a single-mode fiber transceiver, we recommend using an attenuator to prevent damage caused by excessive optical power. 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)		

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

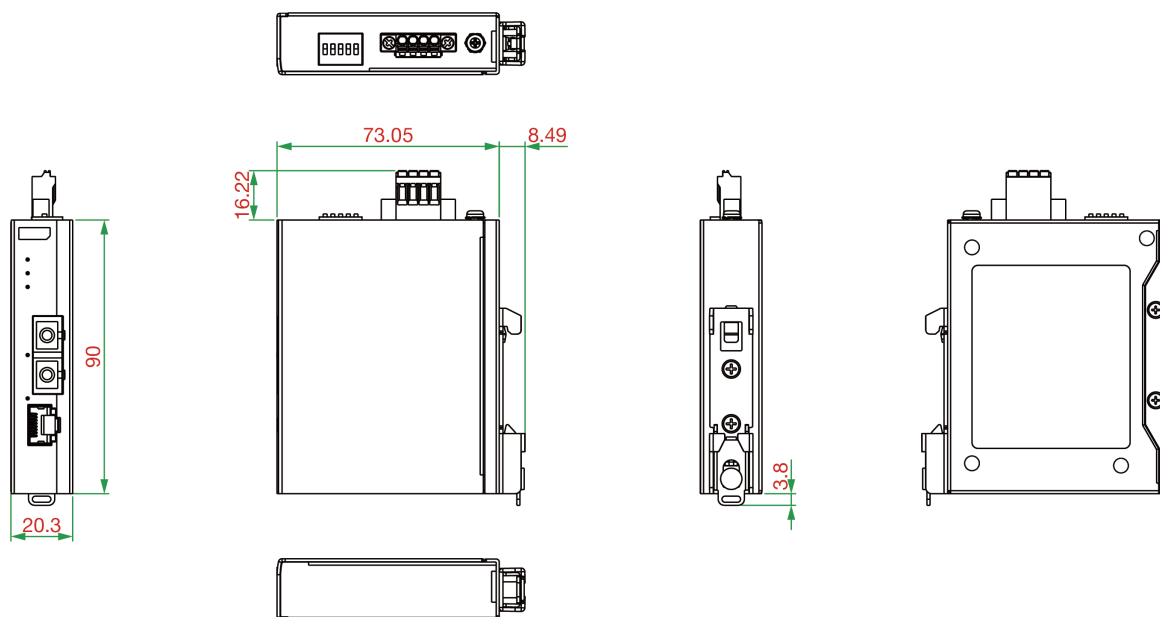
MTBF	
Time	8,709,561 hrs
Standards	Telcordia SR332

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

Package Contents	
Device	1 x IMC-P21GA-G2 Series converter
Documentation	1 x quick installation guide 1 x warranty card

寸法

単位: mm



注文情報

Model Name	Operating Temperature	Fiber Module Type
IMC-P21GA-G2	-10 to 60°C	SFP
IMC-P21GA-G2-SX-SC	-10 to 60°C	Multi-mode SC
IMC-P21GA-G2-LX-SC	-10 to 60°C	Single-mode SC

アクセサリ (別売)

SFP Modules

SFP-1GSXLC	SFP module with 1 1000BaseSX port with LC connector for 300m/550m transmission, 0 to 60°C operating temperature
SFP-1GSXLC-T	SFP module with 1 1000BaseSX port with LC connector for 300m/550m transmission, -40 to 85°C operating temperature
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
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
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
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
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
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
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
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
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
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
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
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
SFP-1GLHLC	SFP module with 1 1000BaseLH port with LC connector for 30 km transmission, 0 to 60°C operating temperature
SFP-1GLHLC-T	SFP module with 1 1000BaseLH port with LC connector for 30 km transmission, -40 to 85°C operating temperature
SFP-1GLHXC	SFP module with 1 1000BaseLHX port with LC connector for 40 km transmission, 0 to 60°C operating temperature
SFP-1GLHXC-T	SFP module with 1 1000BaseLHX port with LC connector for 40 km transmission, -40 to 85°C operating temperature
SFP-1GLXLC	SFP module with 1 1000BaseLX port with LC connector for 10 km transmission, 0 to 60°C operating temperature
SFP-1GLXLC-T	SFP module with 1 1000BaseLX port with LC connector for 10 km transmission, -40 to 85°C operating temperature
SFP-1GZXLC	SFP module with 1 1000BaseZX port with LC connector for 80 km transmission, 0 to 60°C operating temperature
SFP-1GZXLC-T	SFP module with 1 1000BaseZX port with LC connector for 80 km transmission, -40 to 85°C operating temperature
SFP-1GLSXLC	SFP module with 1 1000BaseLSX port with LC connector for 1km/2km transmission, 0 to 60°C operating temperature
SFP-1GLSXLC-T	SFP module with 1 1000BaseLSX port with LC connector for 1km/2km transmission, -40 to 85°C operating temperature
SFP-1GEZXC	SFP module with 1 1000BaseEZX port with LC connector for 110 km transmission, 0 to 60°C operating temperature
SFP-1FELLC-T	SFP module with 1 100Base single-mode with LC connector for 80 km transmission, -40 to 85°C operating temperature

SFP-1FEMLC-T	SFP module with 1 100Base multi-mode, LC connector for 2/4 km transmission, -40 to 85°C operating temperature
SFP-1FESLC-T	SFP module with 1 100Base single-mode with LC connector for 40 km transmission, -40 to 85°C operating temperature

Wall-Mounting Kits

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