



IMC-C121FB series Industrial Media Converter

Features

- Provides 2x 10/100Base-T(X) ports and 1x100Base-FX fiber port
- Compact size for easy installation
- QoS supported to process critical data in heavy traffic
- IP40 protection class
- -10 to 60°C wide operating temperature range
- DIN-Rail mounting enabled



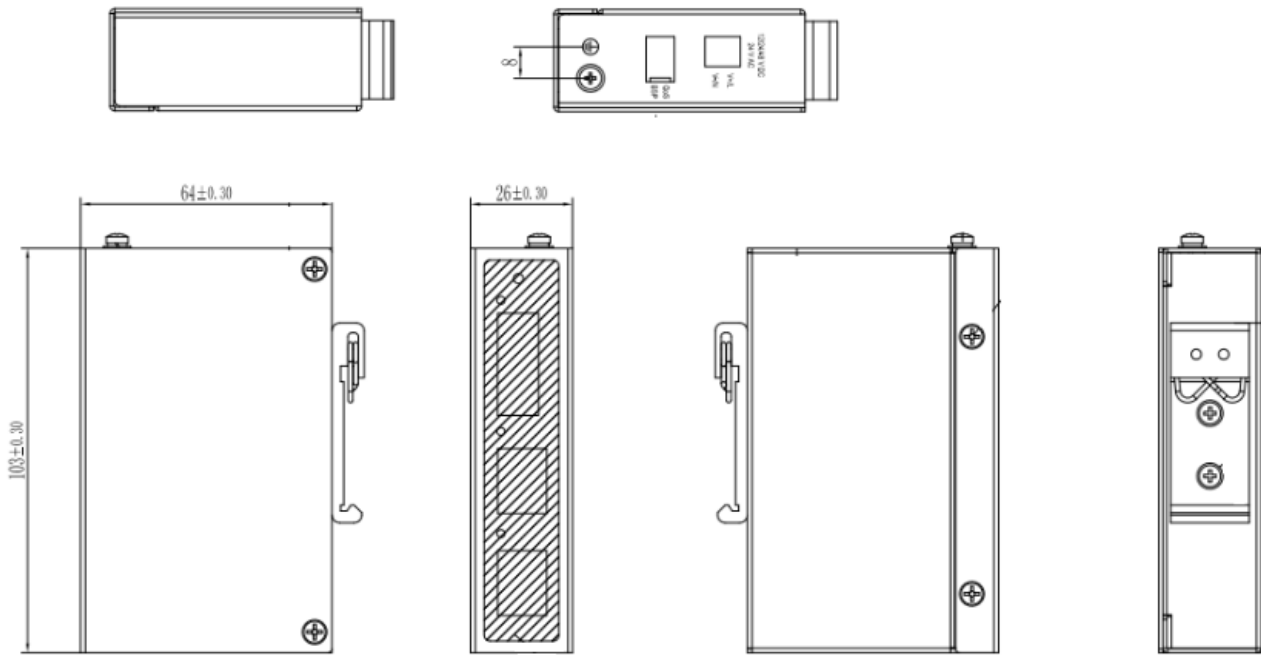
Introduction

IMC-C121FB series industrial media converter with 2 x 10/100Base-T(X) ports and 1x100Base-FX fiber port. In addition, the wide operating temperature range from -10°C to 60°C can satisfy most of operating environment. Therefore, the device is one of the most reliable choices for Ethernet application.



Dimension

Unit: mm



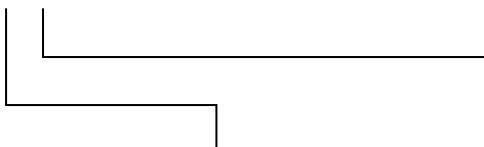
Specifications

ORing Switch Model		IMC-C121FB-MM	IMC-C121FB-SS
Physical Ports			
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX		2	2
100Base-F(X)	Fiber Ports Number	1	1
	Fiber Mode	Multi-mode	Single-mode
	Wavelength (nm)	1310nm	1310nm
	Fiber Diameter (µm)	62.5/125 µm 50/125 µm	9/125 µm
	Connector	SC	SC
	Typical Distance (km)	2KM	30KM
Technology			
Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3x for Flow control		
MAC Table	1K MAC addresses		
Processing	Store-and-Forward		
Packet Buffer Size:	448Kbits		
DIP Switch	Quality of Service (QoS), Broadcast Storm Protection (BSP)		
Power			
Single Input Power	9.6~60VDC/24VAC (18~30 VAC) on 2-pin terminal block.		

Power Consumption	3W
Overload Current Protection	Present
Reverse Polarity Protection	Present
Physical Characteristic	
Enclosure	IP-40
Dimension (W x H x D)	26x 103x 64 mm
Environmental	
Storage Temperature	-40 to 85°C
Operating Temperature	-10 to 60°C
Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
EMC	CE EMC (EN 55035, EN 55032), FCC Part 15 B
EMI	EN 55032, CISPR32, EN 61000-3-2, EN 61000-3-3, FCC Part 15 B class A
EMS	EN 55035 ,EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
Safety	EN/IEC62368-1
Warranty	5 years

Ordering Information

IMC-C1AAB



Code Definition	10/100Base-T(X) Port Number	Additional Port Number	Port Type
Option	- 2: 2 ports	- 1: 1 port	- MM: Multi-mode - SS: Single-mode
Available Model	Model Name	Description	
	IMC-C121FB-MM	Industrial Ethernet to fiber media converter with 2x10/100Base-T(X) and 1x100Base-FX, multi-mode, 2km/1310nm, SC connector	
	IMC-C121FB-SS	Industrial Ethernet to fiber media converter with 2x10/100Base-T(X) and 1x100Base-FX,single-mode, 30km/1310nm, SC connector	