



IMC-121FB Series

Industrial mini type Ethernet to fiber media converter with 2x10/100Base-T(X) and 1x100Base-FX

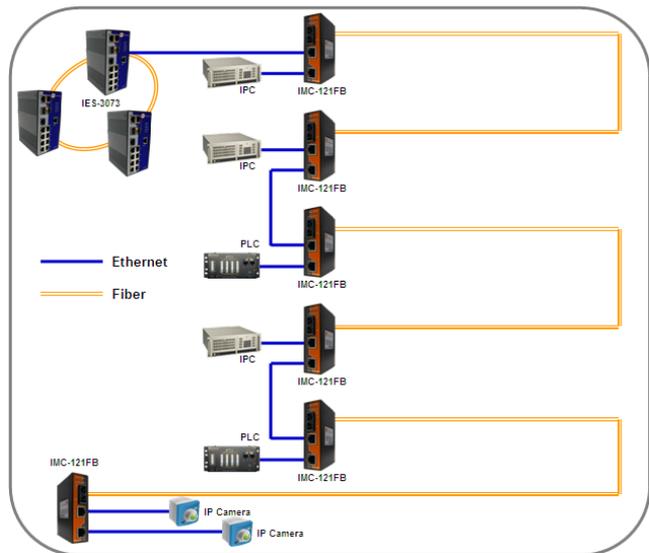
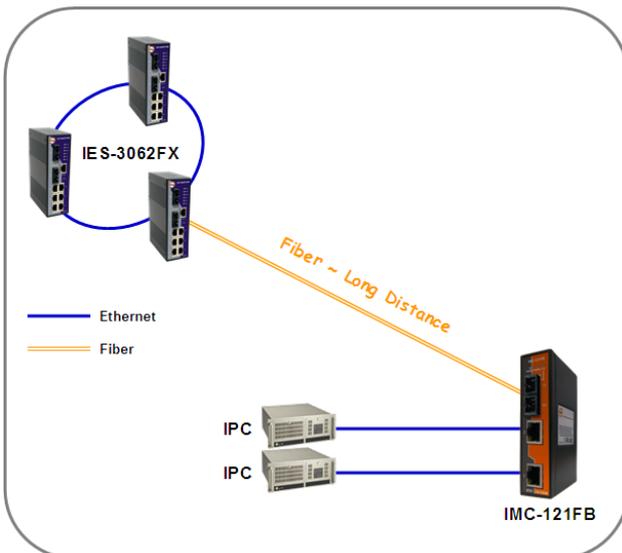
Features

- Supports 2 ports 10/100Base-T(X) auto-negotiation and auto-MDI/MDI-X
- 2x10/100 Base-T(X) ports to save the usage of copper ports
- High reliability and rigid IP-30 housing
- DIN-Rail and Wall-mount enabled



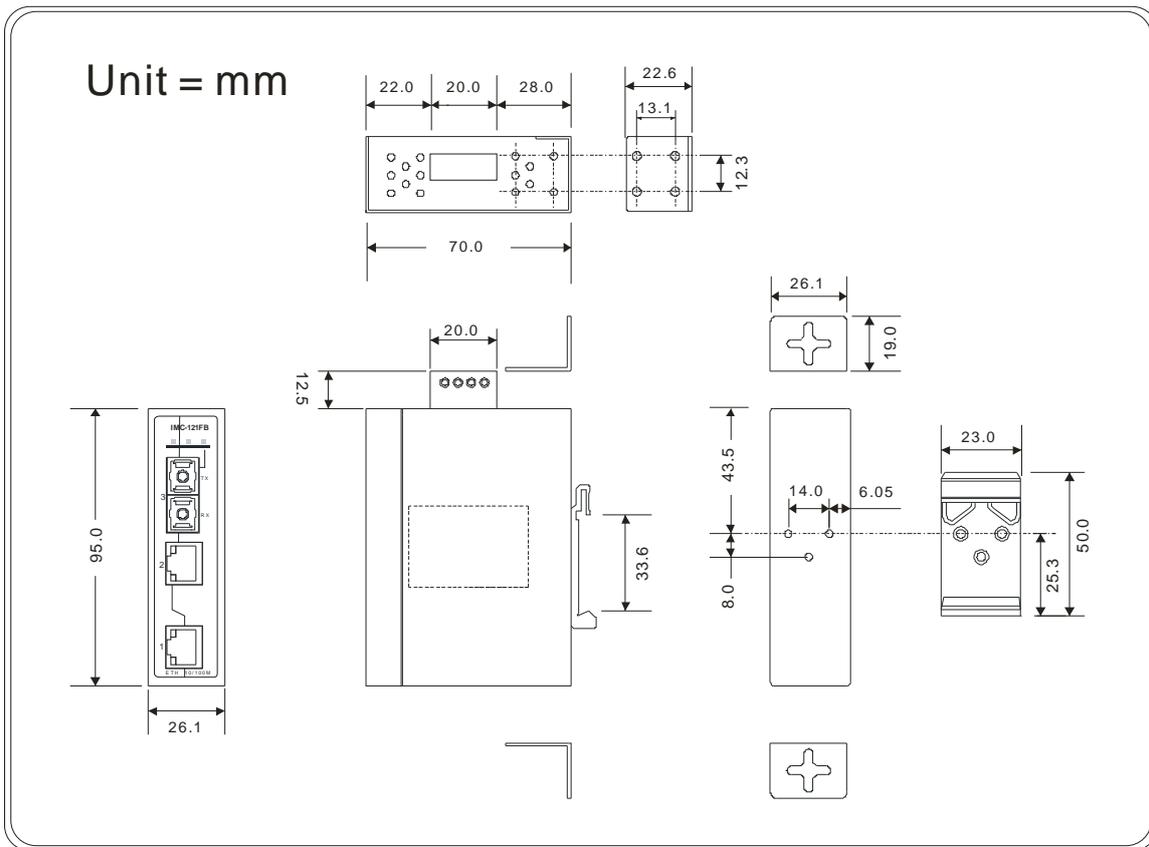
Introduction

IMC-121FB series are industrial media converters provide media conversion between 10/100Base-T(X) and 100Base-FX. IMC-121FB series are rigid IP-30 housing design and supporting an wide operating temperature of -40 to 70°C. Therefore, IMC-121FB series are reliable media converter and can satisfy most demand of operating environment.



Connections of Media converter

Dimension

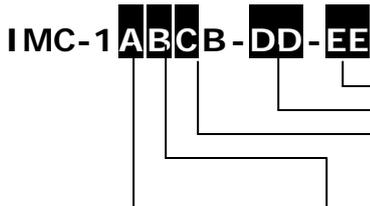


Specifications

ORing Media Converter Model	IMC-121FB-MM-SC	IMC-121FB-SS-SC
Physical Ports		
10/100 Base-T(X) Ports in RJ45 Auto MDI/MDIX	2	2
100Base-FX Multimode ports (2Km, 1310nm, SC connector)	1	-
100Base-FX Singlemode ports (30Km, 1310nm, SC connector)	-	1
Technology		
Ethernet Standards	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-T(X) and 100Base-FX,	
LED Indicators		
Power Indicator	Green : Power LED x 2	
10/100Base-T(X) RJ45 Port Indicator	Green for port Link/Act. Amber for Duplex/Collision	
100Base-FX Fiber Port Indicator	Green for fiber port Link/Act	
Power		
Input Power	Dual 12~48 VDC voltage power input at 4-pin terminal block	
Power Consumption (Typ.)	4.5 Watts	
Overload Current Protection	Present	
Reverse Polarity Protection	Present on terminal block	
Physical Characteristic		
Enclosure	IP-30	

Dimension (W x D x H)	26.1 (W) x 70 (D) x 95 (H)mm (1.03 x 2.76 x 3.74 inch)
Weight (g)	210 g
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 70°C (-40 to 158°F)
Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
EMI	FCC Part 15, CISPR (EN55022) class A
EMS	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
Shock	IEC60068-2-27
Free Fall	IEC60068-2-32
Vibration	IEC60068-2-6
Safety	EN60950-1
Warranty	5 years

Ordering Information



Code Definition	10/100Base-T(X) Port Number	Fiber Port Number	Fiber Port Type	Fiber Optical Mode	Fiber Optical Connector
Option	- 2: 2 ports	- 1: 1 port	- F : 100Base-FX	- MM : Multi-mode - SS : Single-mode	- SC : SC connector

	Model Name	Description
Available Model	IMC-121FB-MM-SC	Industrial mini type Ethernet to fiber media converter with 2x10/100Base-T(X) and 1x100Base-FX, multi-mode, 2Km/1310nm, SC connector
	IMC-121FB-SS-SC	Industrial min type Ethernet to fiber media converter with 2x10/100Base-T(X) and 1x100Base-FX, single-mode, 30Km/1310nm, SC connector

Packing List

- IMC-121FB x 1
- Quick Installation Guide x 1
- DIN-Rail Kit x 1
- Wall-mount Kit x 1

Optional Accessories

- DR-45 series : 45 Watts DIN-Rail power supply
- DR-75 series : 75 Watts DIN-Rail power supply
- DR-120 series : 120 Watts DIN-Rail power supply