

# IMC-1021FX

## >> Industrial media converter with 2x10/100Base-T(X) & 1x100FX

- Supports auto-negotiation and auto-MDI/MDI-X in 10/100Base-T(X) ports
- 2x10/100Base-T(X) ports to save the usage of cooper ports
- High reliability and rigid IP-30 housing

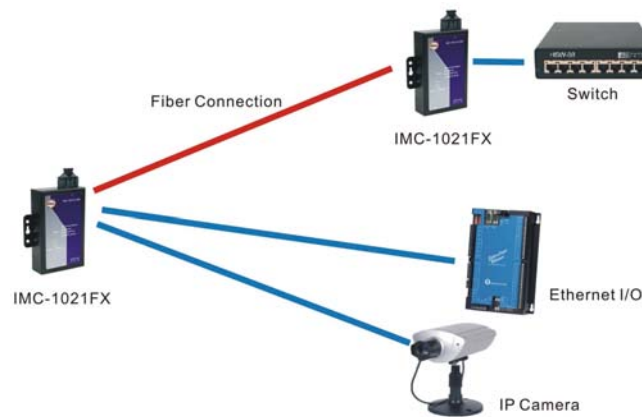


### > Features

- Supports 2 ports 10/100Base-T(X) auto-negotiation and auto-MDI/MDI-X
- Wide operating temperature range from -10 to 60°C
- Extended operating temperature model ready from -40 to 70°C
- Rigid IP-30 housing design
- DIN-Rail and panel mounting enabled

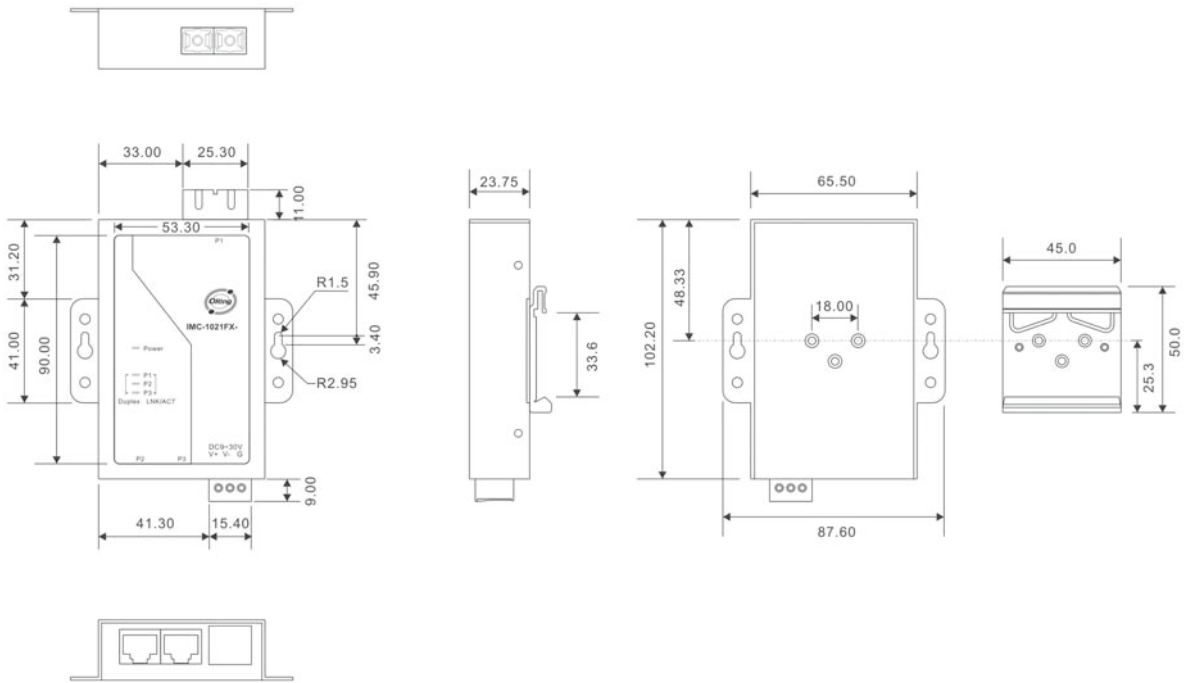
### > Introduction

IMC-1021FX are industrial media converters provide media conversion between 10/100BaseT(X) and 100BaseFx. IMC-1021FX series are rigid IP-30 housing design and supporting an operating temperature of -10 to 60°C, and an extended operating temperature (T models) of -40 to 70°C. Therefore, the IMC-1021FX are reliable media converters and can satisfy most demand of operating environment.



Connections of Media Converter

> Dimension



(Unit=mm)

> Specifications

ORing Media Converter Model	IMC-1021FX-MM	IMC-1021FX-SS
<b>Physical Ports</b>		
10/100Base-T(X) Ports in RJ45 Auto MDI/MDIX	2	2
100Base-FX Multi-mode ports (2KM, 1310nm, SC connector)	1	-
100Base-FX Single-mode ports (30KM, 1310nm, SC connector)	-	1
<b>Technology</b>		
Ethernet Standards	IEEE 802.3 for 10Base-T, IEEE 802.3u for 100Base-T(X) and 100Base-FX,	
<b>LED Indicators</b>		
Power / Ready Indicator	Green : Ready LED x 1	
10/100Base-T(X)X RJ45 Port Indicator	Green for port Link/Act. Amber for duplex.	
<b>Power</b>		
Input Power	9~ 30 VDC voltage power input	
Power Consumption (Typ.)	4.5 Watts	
Overload Current Protection	Present	
Reverse Polarity Protection	Present on terminal block	
<b>Physical Characteristic</b>		
Enclosure	IP-30	
Dimension (W x D x H)	65.5(W) x 23.75(D) x 102.2(H) mm (2.58x0.94x4.02 inch.)	
Weight (g)	300 g	300 g

Environmental	
Storage Temperature	-40 to 85°C(-40 to 185°F)
Operating Temperature	-10 to 60°C (14 to 140°F) Extended temperature model (-40 to 70°C, -40 to 158°F, -T model)
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
<b>Warranty</b>	5 years

## > Ordering Information

IMC-1 **A****B****CC**-**DD**-**EE**-**F**

Code Definition	Code Definition 10/100Base-T(X)	Port Number	Fiber Port Number	Fiber Port Type Fiber Optical Mode	Fiber Optical Connector	Operating Temperature
<b>Option</b>	- <b>02</b> : 2 ports	- <b>1</b> : 1 port	- <b>FX</b> : 100FX	- <b>MM</b> : Multi-mode - <b>SS</b> : Single-mode	- <b>SC</b> : SC Connector	- <b>T</b> : for -40 to 70°C * Regular model : -10 to 60°C

	Model Name	Description	Operating Temperature
Available Model	IMC-1021FX-MM-SC	Industrial media converter with 2x 10/100Base-T(X) & 1x 100FX, multi-mode	Regular model (-10 to 60°C)
	IMC-1021FX-SS-SC	Industrial media converter with 2x 10/100Base-T(X) & 1x 100FX, single-mode	
	IMC-1021FX-MM-SC-T	Industrial media converter with 2x 10/100Base-T(X) & 1x 100FX, multi-mode	Extended model (-40 to 70°C)
	IMC-1021FX-SS-SC-T	Industrial media converter with 2x 10/100Base-T(X) & 1x 100FX, single-mode	