

# IMC-563

1 x 100/1000 RJ45 to 1 x FX/GbE SFP  
Industrial Converter

## Description

IMC-563 Unmanaged Industrial Media converter supports one 100/1000Base-T RJ45 port and one SFP port for 100FX/1000Base-X, specifically designed for high-speed industrial Ethernet networks that demands both, high bandwidths and rugged connectivity. With protection IMC-563 exhibits extreme tolerance in harsh temperature environment ranging from -40°C to 75°C.

Equipped with one multi-rate 100/1000Mbps SFP slot, the media converter offers fiber advantages of secure data transmissions over long distances to mission-critical networks. IMC-563 provides maximum bandwidth flexibility and extended connectivity for workgroups that are ready to expand and migrate from existing fast Ethernet network to gigabit network.



**RoHS** **CE** **FC**

## Features Highlight

### Compact size

The converter's compact size is suitable to place it in the outdoor IP camera enclosure. IMC-563P is suitable for areas with limited space.

### Easy plug and play operation

Featuring Auto-MDI/MDIX and Auto-negotiation on copper port, the media converter automatically detects and configures the best mode of operation over a link. This eliminates the need for user setup or configuration procedure and simplifies installation, once installed these media converters operate automatically.

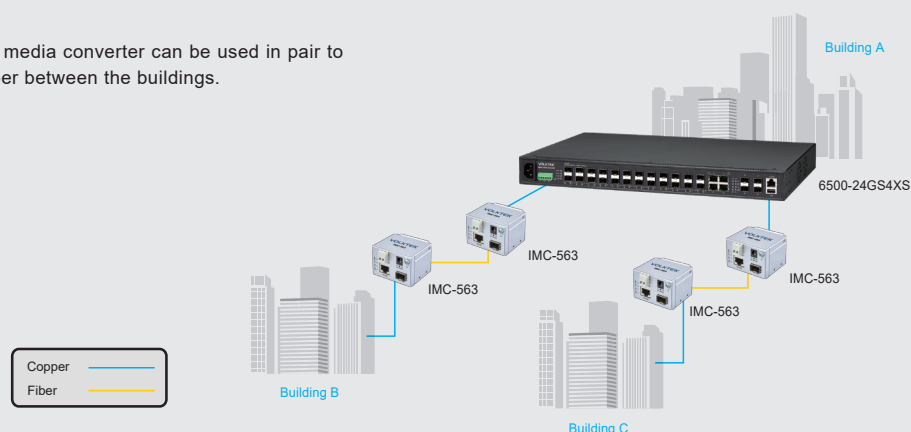
### Multi-rate SFP slot

Equipped with one multi-rate 100/1000Mbps SFP slot, the media converter offers fiber advantages of secure data transmissions over long distances to mission-critical networks. It provides maximum bandwidth flexibility and extended connectivity for workgroups that are ready to expand and migrate from existing fast Ethernet network to gigabit network.


**Note:** The Fiber and Copper port speed must be same for media converter to function.

## Applications

This diagram illustrates how media converter can be used in pair to extend the distance using fiber between the buildings.



## Specifications

Standards	
IEEE 802.3u	100BASE-TX/FX
IEEE 802.3ab	1000BASE-T
IEEE 802.3z	1000BASE-SX/LX
Interface	
Interface	1 x 10/100/1000BASE-T (RJ45) 1 x 100FX/GbE SFP Slot
LED Panel	PWR, Fiber, RJ45, ALM, L/A, 1000, 100
Features	
Performance	Link Speed: Same link speed for copper & fiber ports Jumbo Frame: 16KB Power Input: Dual types (Terminal Block & DC Jack) of power connector
Fiber Optics	Connector Type: SFP Fiber Mode: Depends on SFP module Distance: Up to 80km, Depends on SFP module
Fiber Optics	
Model Name	IMC-563
Connector Type	 SFP
Interface Type	100FX/1000BASE-X
Fiber Mode	(Depends on SFP module)
Distance	Up to 80km (Depends on SFP module)
Power	
Power Input	12~57V DC via Terminal Block 12V DC via DC Jack
Power Consumption	<6 Watt

Mechanical and Environment	
Housing	Metal (IP30 Protection)
Mounting	DIN Rail, Wall-Mount (Optional)
Operating Temperature	-40°C~75°C (-40°F~167°F)
Storage Temperature	-40°C~85°C (-40°F~185°F)
Operating Humidity	5 to 95% RH (non-condensing)
Storage Humidity	5 to 95% RH (non-condensing)
Weight	185 g (0.41 lb)
Dimensions (W x H x D)	60.5 x 42.5 x 50 mm (2.38 x 1.67 x 1.97 in)
Standards and Certifications	
EMI	FCC Part 15 of Class A & CE Approved EN 55022: class A EN 55011: 2009 class A EN 61000-6-4 EN 55024
EMS	IEC/EN 61000-4-2 (ESD) Level 2 IEC/EN 61000-4-3 (RS) Level 2 IEC/EN 61000-4-4 (EFT) Level 2 IEC/EN 61000-4-5 (Surge) Level 3 IEC/EN 61000-4-6 (CS) Level 2 IEC/EN 61000-4-8 (PFMF)
Green Product	RoHS
Ordering Information	
IMC-563	1x 100/1000BASE-T RJ45 to 1x FX/GbE SFP Media Converter, -40°C~75°C (-40°F~167°F)
Optional Accessories	
GBM-104	1000BASE-SX 1.25G, Multi-Mode SFP, 500m
GBM-104-2	1000BASE-SX 1.25G, Multi-Mode, 3.3V, 1310nm, 2Km
GBM-104-10	1000BASE-LX 1.25G, Single-Mode SFP, 10Km
GBM-123TS	1000BASE-LX, Bi-Di SFP TX:1310/RX:1550, Single-Mode, 10km
GBM-123RAS	1000BASE-LX, Bi-Di SFP TX:1550/RX:1310, Single-Mode, 10km

\*Specifications subject to change without notice.

## Dimension

