

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 IP30 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.

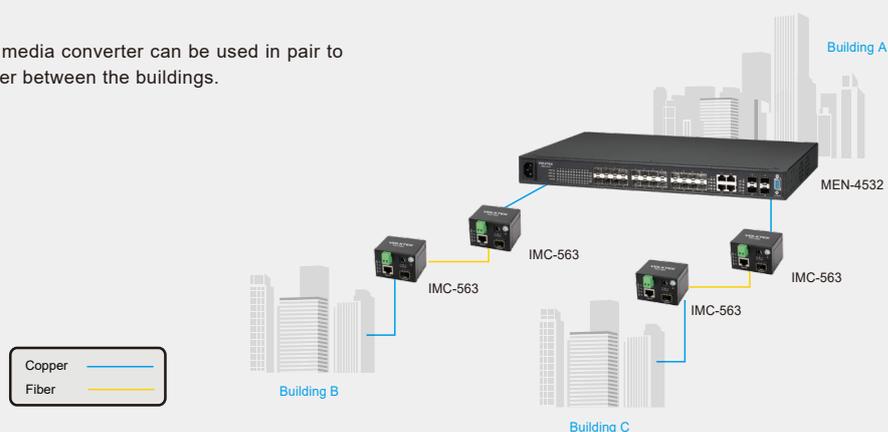
Multi-rate SFP slot

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

Features	
Link Speed	Same link speed for copper & fiber ports
LED	PWR, Fiber(1000, LNK/ACT), RJ45 (1000, LNK/ACT), ALM (Alarm), PWR, L/A, 1000, 100
Jumbo Frame	16KB
Power Input	Dual types (Terminal Block & DC Jack) of power connector
Standards	
IEEE 802.3u	100Base-TX/FX
IEEE 802.3ab	1000Base-T
IEEE 802.3z	1000Base-SX/LX
Interface	
Interface	100Base-FX/1000Base-SX/LX
Fiber Optics	
Connector Type	SFP
Fiber Mode	Depends on SFP module
Distance	Up to 80km, Depends on SFP module
LAN (RJ45)	
Speed	100/1000Mbps
Max. Distance (meter)	100
Power	
Power Input	12~57V DC via terminal Block 12V DC via DC Jack
Power Consumption	<6 Watt
LED Panel	PWR, LNK/ACT, 100, 1000
Mechanical and Environment	
Housing	Metal, IP30
Dimensions (W x H x D)	60.5 x 42.5 x 50 mm (2.38 x 1.67 x 1.97 in)
Weight	185 g (0.41 lb)
Mounting	DIN Rail
Operating Temperature	-40~75°C
Storage Temperature	-40~85°C
Operating Humidity	5~95% RH (non-condensing)
Storage Humidity	5~95% RH (non-condensing)

Standards and Certifications	
EMI	FCC Part 15 of Class A & CE Approved
	EN 55022: class A
	EN 55011: 2009 class A
EMS	EN 61000-6-4
	EN 55024
	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
Green Product	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
SFP Module 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

