VOLKTEK

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.

Features Highlight

Compact size

The converter's compact size is suitable to place it in the outdoor IP camera enclosure. IMC-563 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.
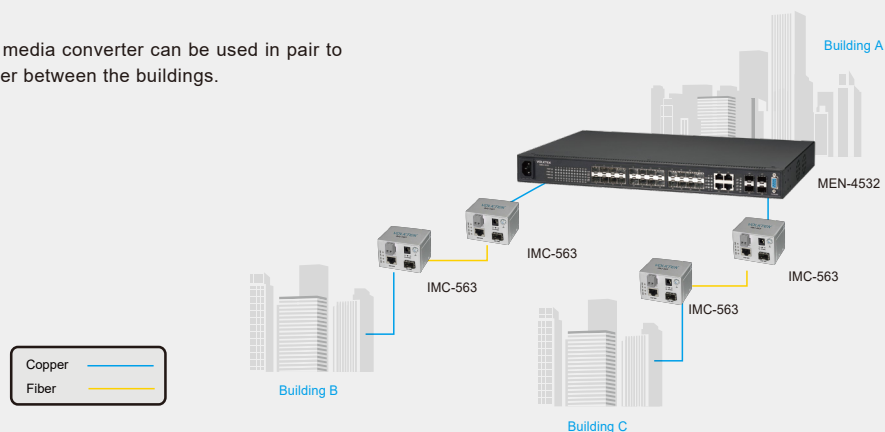
Multi-rate SFP slot

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.

Building A

MEN-4532

IMC-563

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Copper
Fiber

Building B

Building C

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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
EMS	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
	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