

VOLKTEK

IMC-563P

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

Description

Remote locations, where cameras watch for accidents or illegal activity while no one else can, are located in far places that require data transmission over long distances between nodes. IMC-563P, is a mini media converter with transmission distance capacity of up to 80km on fiber per transmitted segment, IP30 enclosure protection and temperature operation range from -40°C to 75°C. Strong enough to operate in outdoor surveillance systems, it is so dynamic and small that fits in the enclosure of an IP cam.

IMC-563P converter supports one 100/1000Base-T IEEE802.3af/at PoE RJ45 port for copper and one 100FX/1000Base-X SFP port for fiber for fast and high quality image transmissions through IP networks.



RoHS CE FC

Features Highlight

Compact size

The converter's compact size is suitable to place it in the outdoor IP camera enclosure. The embedded PoE helps to a more convenient installation while deploying a surveillance system. IMC-563P is suitable for places with compact spaces.

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.

Robust Switch Performance

With surge and ESD protection, the IMC-563P provides a high level of immunity against electromagnetic interference and heavy electrical surges, thus facilitating easy deployment in demanding environments.


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

Applications

This diagram illustrates the application of PoE media converter, where the media converter is placed inside the camera enclosure and connects to a fiber switch in the building. Media converter provides both power and data on RJ45 cable to IP-cam.



Specifications

Standards	
IEEE 802.3u	100BASE-TX/FX
IEEE 802.3ab	1000BASE-T
IEEE 802.3z	1000BASE-SX/LX
IEEE 802.3af	Power over Ethernet
IEEE 802.3at	Power over Ethernet Plus
Interface	
Interface	1 x 100/1000BASE-T (PoE RJ45) 1 x FX/GbE SFP
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-563P
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	48~57V DC via terminal Block 48V DC via DC Jack
Power Consumption	<36 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
Safety	UL 61010-1 / UL 61010-2-210
Ordering Information	
IMC-563P	1x 100/1000BASE-T RJ45 PoE+ 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

Note:

* The highest degree of temperature operation certified by UL is -40°C~75°C (-40°F~167°F).

* Specifications subject to change without notice.

Dimension

