

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	PoE
IEEE 802.3at	PoE+
Fiber Optics	
Connector Type	SFP
Interface Type	100Base-FX/1000Base-SX/LX
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	48~57V DC via terminal Block
Power Consumption	<36 Watt
LED Panel	PoE, PWR, L/A, 100, 1000
Mechanical and Environment	
Housing	Metal, IP30
Dimensions (W x H x D)	60.5x42.5x50 (mm)
Weight	185g
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)	
	RoHS	
Ordering Information		
IMC-563P	1x 100/1000Base-T RJ45 PoE+ 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

