

IMC-563P

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

Description

To enforce the IP surveillance and provide sufficient power to PD devices Volktek introduces IMC-563P, unmanaged PoE+ Media Converter designed for reliable network connectivity even in tough environment. The converter supports one 100/1000Base-T RJ45 port with IEEE802.3af/at PoE standard and one SFP port for 100FX/1000Base-X port.

With IP30 protection it exhibits extreme tolerance in harsh temperature environment ranging from -40°C to 75°C. IMC-563P quickly installation with no software or additional configuration needed, proves to be a perfect solution for round the clock surveillance in hard-to-reach locations.



Features Highlight

Compact size

The converter's compact size is suitable to place it in the outdoor IP camera enclosure. The embedded PoE supports to install and deploy IP camera more conveniently. Some space limitation areas are more suitable to install this device.

Easy plug and play operation

Media converter is an easy-to-setup and ready-to-use solution for PoE application system. 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 802.3	10Base-T
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
Mechanical and Environment	
Housing	Metal
Dimensions (W x H x D)	56x40x49 (mm)
Weight	TBD
Mounting	DIN Rail, Wall-mounting(optional)
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-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

