

IMC-370 LFPT

10/100/1000Mbps Miniature Media Converter with LFPT



Features

- Metal enclosure with compact size
- Industrial grade design that supports an extended operating temperature range (IMC-370I series)
- Provides status LED
- NEMA TS2 for traffic control
- Supports multiple power options: AC or DC adapter and dual USB cable
- Supports Link Fault Pass Through (LFPT)
- Centralized powered IMC-318I chassis

Introduction

The IMC-370 series offers the most compact media converters. They can extend the 10 and 100Mbps twisted-pair network segments up to 80km over fiber technology. Supporting both 10/100 auto negotiation on the copper port and 100Mbps full-duplex on the fiber port, the IMC-370 series serves as a media and data rate converter that have NEMA TS2 rating, making it ideal for use in traffic applications.

The IMC-370I series supports Link Fault Pass Through (LFPT) functionality which can be enabled/disabled by a DIP switch on the unit. This useful diagnostic feature assists the network administrator in indicating a fault condition on a given segment between the interfaces.

The IMC-370I supports plug-n-play functionality, auto negotiation, and AutoCross operation. It can be powered by AC/DC power, dual USB cable, or via installation in the centrally-powered media converter chassis.

Specifications

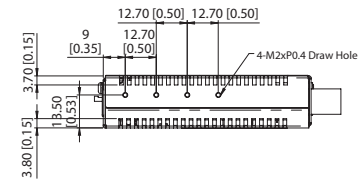
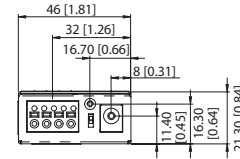
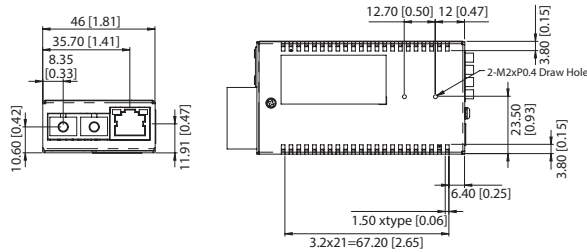
Technical	
IEEE 802.3, 802.3u, 802.3ab, 802.3z	
Supports jumbo frames up to 10240 bytes	
Plug-and-play operation	
Status LED	
AutoCross for MDI/MDIX	
Supports Link Fault Pass Through (LFPT)	
Terminal DC power block (IMC-370I)	
Power Input	
100 – 240V DC, 50-60Hz, 0.3A (IMC-370/370I AC input)	
5V DC (Barrel Connector)	
7 – 50V DC, 1A (IMC-370I DC input)	

Environment	
Operating Temperature	0 ~ 50°C (32 ~ 122°F) (IMC-370 series)
	-10 to +50 °C (+14 to +122 °F) (IMC-370I AC input)
	-25 to +85 °C (-13 to +185 °F) (IMC-370I DC input)
Storage Temperature	-35 ~ 75°C (-31 ~ 167°F) (IMC-370 series)
	-40 ~ 85°C (-40 ~ 185°F) (IMC-370I series)
Operating Humidity	10 ~ 95% (non-condensing)
	0 ~ 10,000 ft. altitude
MTBF	109,243 Hours (IMC-370 series)
	108,315 Hours (IMC-370I series)
Mechanical	
Dimensions (H x W x D)	2.11 x 4.57 x 8.51 cm (0.83 x 1.80 x 3.35 in)
Weight	0.317 kg (0.7 lb)
Certifications	
CE, FCC Class A, UL/cUL (IMC-370I series)	
CE, FCC Class B, UL/cUL (IMC-370 series)	
NEMA TS2 for traffic control	

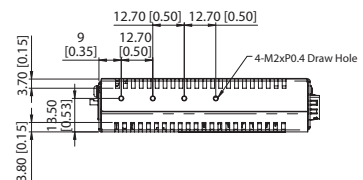
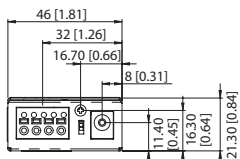
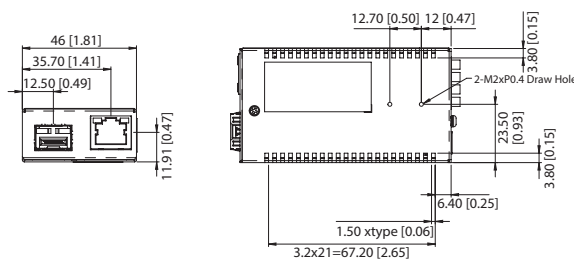
Dimensions

Unit: mm [inch]

IMC-370I



IMC-370I-SFP



Ordering Information

10/100/1000 Mbps Miniature Media Converter w/ Power Adapter

Part Number	As Known As	Optical Mode	Wavelength	Distance	Optical Connector
IMC-370-MM-PS-A	856-10730-A	Multi-Mode	850 nm	550 m	SC
IMC-370-MMST-PS-A	856-10730-ST-A	Multi-Mode	850 nm	550 m	ST
IMC-370-SM-PS-A	856-10731-A	Single-Mode	1310 nm	10 km	SC
IMC-370-SE-PS-A	856-10732-A	Single-Mode	1310 nm	40 km	SC
IMC-370-SL-PS-A	856-10733-A	Single-Mode	1550 nm	80 km	SC
IMC-370-SST-PS-A	856-10734-A	Single-Strand	1310T/1550R	15 km	SC
IMC-370-SSR-PS-A	856-10735-A	Single-Strand	1550T/1310R	15 km	SC
IMC-370-SFP-PS-A	856-10747-A	Various	Various	Various	SFP

Industrial Grade 10/100/1000 Mbps Miniature Media Converter

Part Number	As Know As	Optical Mode	Wavelength	Distance	Optical Connector	Power Adapter
IMC-370I-MM-A	854-18830-A	Multi-Mode	850 nm	550 m	SC	-
IMC-370I-SM-A	854-18831-A	Single-Mode	1310 nm	15 km	SC	-
IMC-370I-SFP-A	854-18829-A	Various	Various	Various	SFP	-
IMC-370I-MM-PS-A	856-18830-A	Multi-Mode	850 nm	15 km	SC	Yes
IMC-370I-SM-PS-A	856-18831-A	Single-Mode	1310 nm	15 km	SC	Yes
IMC-370I-SE-PS-A	856-18832-A	Single-Mode	1310 nm	30 km	SC	Yes
IMC-370I-SST-PS-A	856-18835-A	Single-Strand	1310T/1550R	15 km	SC	Yes
IMC-370I-SSR-PS-A	856-18836-A	Single-Strand	1550T/1310R	15 km	SC	Yes
IMC-370I-SFP-PS-A	856-18829-A	Various	Various	Various	SFP	Yes

Accessories

Part Number	Description
806-39105	DIN Rail Clip
895-39229	Wall-mount Bracket
806-39628	USB Power Cable, 0.9m (36 in)
806-39650	Barrel Connector Power Cable, 0.3m (12 in)

* SFP fibers sold separately – available at www.advantech.com

Industrial Grade 10/100 Mbps Miniature Media Converter

Part Number	Optical Mode	Wavelength	Distance	Optical Connector	Power Adapter
IMC-350I-M8ST-PS-A	Multi-Mode	850 nm	2 km	ST	Yes
IMC-350I-M8ST-A	Multi-Mode	850 nm	2 km	ST	-
IMC-350I-M8-PS-A	Multi-Mode	850 nm	2 km	SC	Yes
IMC-350I-M8-A	Multi-Mode	850 nm	2 km	SC	-
IMC-350I-MMST-PS-A	Multi-Mode	1300 nm	5 km	ST	Yes
IMC-350I-MM-PS-A	Multi-Mode	1300 nm	5 km	SC	Yes
IMC-350I-SEST-PS-A	Single-Mode	1310 nm	40 km	ST	Yes
IMC-350I-SE-PS-A	Single-Mode	1310 nm	40 km	SC	Yes
IMC-350I-SL-PS-A	Single-Mode	1310 nm	80 km	SC	Yes
IMC-350I-SST-PS-A	Single-Strand	1310T/1550R	20 km	SC	Yes
IMC-350I-SSR-PS-A	Single-Strand	1550T/1310R	20 km	SC	Yes
IMC-350I-SFP-PS-A	Various	Various	Various	SFP	Yes
IMC-350I-MMST-A	Multi-Mode	1300 nm	5 km	ST	-
IMC-350I-MM-A	Multi-Mode	1300 nm	5 km	SC	-
IMC-350I-SEST-A	Single-Mode	1310 nm	40 km	ST	-
IMC-350I-SE-A	Single-Mode	1310 nm	40 km	SC	-
IMC-350I-SST-A	Single-Strand	1310T/1550R	20 km	SC	-
IMC-350I-SSR-A	Single-Strand	1550T/1310R	20 km	SC	-

Accessories

Part Number	Description
806-39105	DIN Rail Clip
806-39628	USB Power Cable, 0.9m (36 in)
806-39629	USB Power Cable, 0.3m (12 in)
806-39650	Barrel Connector Power Cable, 0.3m (12 in)
895-39229	Wall-mount Bracket
806-39720	AC Power Adapter

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