

IMC-370

10/100/1000Mbps Miniature Media Converter



Features

- Metal enclosure with compact size
- Industrial grade design that supports extended operating temperature (IMC-370I series)
- Provides status LED
- Supports multiple power options: AC or DC adapter and dual USB cable
- Supports Link Fault Pass Through (LFPT) (IMC-370I-SFP)
- 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.

The IMC-370I-SFP 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 a centrally-powered media converter chassis.

Specifications

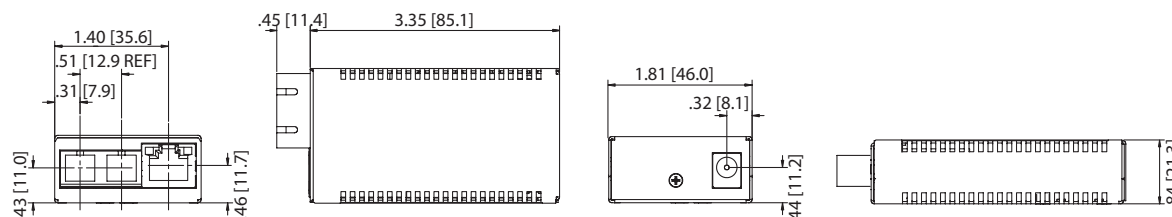
Technical
IEEE 802.3, 802.3u, 802.3ab, 802.3z
Supports jumbo frames up to 10240 bytes
Plug-and-play operation
Status LED
AutoCross for MDI/MDIX
Supports Link Fault Pass Through (LFPT) (IMC-370I-SFP)
Terminal DC power block (IMC-370I)
Power Input
100 – 240V DC, 50-60Hz, 1.2A (IMC-370 AC input)
100 – 240V DC, 50-60Hz, 2A (IMC-370I AC input)
7 – 50V DC, 1A-0.1A (IMC-370I DC input)

Environment	
Operating Temperature	-25 to +70 °C (-13 to +158 °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	-25 to +70 °C (-13 to +158 °F) (IMC-370 series)
	-35 to +75 °C (-31 to +167 °F) (IMC-370I series)
Operating Humidity	5 ~ 95% (non-condensing)
	0 ~ 10,000 ft. altitude
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-370 series)	
CE, FCC Class B, UL/cUL (IMC-370I series)	

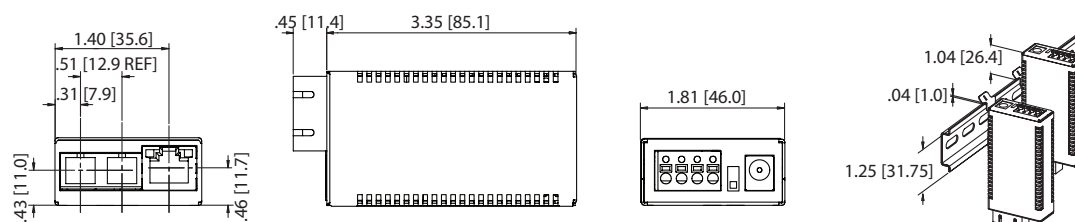
Dimensions

Unit: mm [inch]

IMC-370



IMC-370I



Ordering Information

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

Part Number	As Known As	Ethernet Speed	Optical Mode	Wavelength	Distance	Optical Connector
IMC-370-MMST-PS	856-10730-ST	10/100/1000 Mbps	Multi-Mode	850 nm	550 m	ST
IMC-370-MM-PS	856-10730	10/100/1000 Mbps	Multi-Mode	850 nm	550 m	SC
IMC-370-SM-PS	856-10731	10/100/1000 Mbps	Single-Mode	1310 nm	10 km	SC
IMC-370-SE-PS	856-10732	10/100/1000 Mbps	Single-Mode	1310 nm	40 km	SC
IMC-370-SL-PS	856-10733	10/100/1000 Mbps	Single-Mode	1550 nm	80 km	SC
IMC-370-SST-PS	856-10734	10/100/1000 Mbps	Single-Strand	1310T/1550R	15 km	SC
IMC-370-SSR-PS	856-10735	10/100/1000 Mbps	Single-Strand	1550T/1310R	15 km	SC
IMC-370-SFP-PS	856-10747	10/100/1000 Mbps	Various	Various	Various	SFP
IMC-371-MM-PS	855-10730	1000 Mbps	Multi-Mode	850 nm	550 m	SC
IMC-371-SM-PS	855-10731	1000 Mbps	Single-Mode	1310 nm	10 km	SC

Industrial Grade 10/100/1000 Mbps Miniature Media Converter

Part Number	As Known As	Ethernet Speed	Optical Mode	Wavelength	Distance	Optical Connector	Power Adapter
IMC-370I-MM	854-18830	10/100/1000 Mbps	Multi-Mode	850 nm	550 m	SC	-
IMC-370I-MM-PS	856-18830	10/100/1000 Mbps	Multi-Mode	850 nm	550 m	SC	Yes
IMC-370I-SM	854-18831	10/100/1000 Mbps	Single-Mode	1310 nm	15 km	SC	-
IMC-370I-SM-PS	856-18831	10/100/1000 Mbps	Single-Mode	1310 nm	15 km	SC	Yes
IMC-370I-SE-PS	856-18832	10/100/1000 Mbps	Single-Mode	1310 nm	30 km	SC	Yes
IMC-370I-SST-PS	856-18835	10/100/1000 Mbps	Single-Strand	1310T/1550R	15 km	SC	Yes
IMC-370I-SSR-PS	856-18836	10/100/1000 Mbps	Single-Strand	1550T/1310R	15 km	SC	Yes
IMC-370I-SFP	854-18929	10/100/1000 Mbps	Various	Various	Various	1 x SFP	-
IMC-370I-SFP-PS	856-18929	10/100/1000 Mbps	Various	Various	Various	1 x SFP	Yes
IMC-370I-2SFP	854-19619	10/100/1000 Mbps	Various	Various	Various	2 x SFP	-
IMC-370I-2SFP-PS	855-19619	10/100/1000 Mbps	Various	Various	Various	2 x 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

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[IMC-370-MMTX-PS](#)