

# 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 10/100/1000Mbps twisted-pair network segments up to 80km over fiber technology. Supporting both 10/100/1000 auto negotiation on the copper port and 1000Mbps full-duplex on the fiber port, the IMC-370I series serves as a media and data rate converter that has NEMA TS2 rating, making it ideal for use in traffic applications.

The IMC-370 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-370 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 16K bytes (IMC-370 series) Supports jumbo frames up to 12K bytes (IMC-370I series)	
Plug-and-play operation	
Status LED	
AutoCross for MDI/MDIX	
Supports Link Fault Pass Through (LFPT)	
Terminal DC power block	
Power Input	
100-240 V <sub>AC</sub> , 50-60Hz, 0.3A (IMC-370/370I AC input)	
5V <sub>DC</sub> (Barrel Connector)	
7 – 50V <sub>DC</sub> , 1A (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	
NEMA TS2 for traffic control (IMC-370I Series)	

### Accessories (optional)

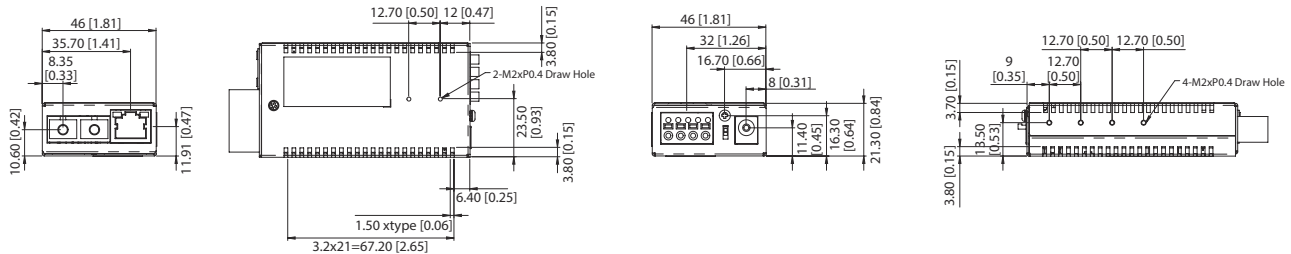
Part Number	Description
806-39105	DIN rail clip
895-39229	Wall-mount bracket
806-39628	USB power cable, 0.9m (36 in)
806-39650	Barrel connector power cable, 0.3m (12 in)

\* SFP fibers sold separately – available at [www.advantech.com](http://www.advantech.com)

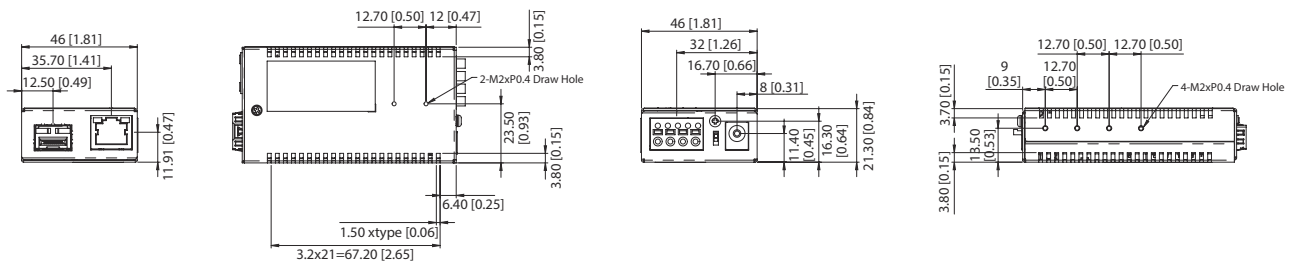
## Dimensions

Unit: mm [inch]

### IMC-370I / IMC-370



### IMC-370I-SFP / IMC-370-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-B	856-10730-B	Multi-Mode	850 nm	550 m	SC
IMC-370-MMST-PS-B	856-10730-ST-B	Multi-Mode	850 nm	550 m	ST
IMC-370-SM-PS-B	856-10731-B	Single-Mode	1310 nm	10 km	SC
IMC-370-SE-PS-B	856-10732-B	Single-Mode	1310 nm	40 km	SC
IMC-370-SL-PS-B	856-10733-B	Single-Mode	1550 nm	80 km	SC
IMC-370-SST-PS-B	856-10734-B	Single-Strand	1310T/1550R	15 km	SC
IMC-370-SSR-PS-B	856-10735-B	Single-Strand	1550T/1310R	15 km	SC
IMC-370-SFP-PS-B	856-10747-B	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-B	854-18830-B	Multi-Mode	850 nm	550 m	SC	-
IMC-370I-SM-B	854-18831-B	Single-Mode	1310 nm	15 km	SC	-
IMC-370I-SFP-B	854-18829-B	Various	Various	Various	SFP	-
IMC-370I-MM-PS-B	856-18830-B	Multi-Mode	850 nm	550m	SC	Yes
IMC-370I-SM-PS-B	856-18831-B	Single-Mode	1310 nm	15 km	SC	Yes
IMC-370I-SE-PS-B	856-18832-B	Single-Mode	1310 nm	30 km	SC	Yes
IMC-370I-SST-PS-B	856-18835-B	Single-Strand	1310T/1550R	15 km	SC	Yes
IMC-370I-SSR-PS-B	856-18836-B	Single-Strand	1550T/1310R	15 km	SC	Yes
IMC-370I-SFP-PS-B	856-18829-B	Various	Various	Various	SFP	Yes

### 10/100/1000 Mbps Miniature Media Converter W/O Power Adapter with DC power input

Part Number	Optical Mode	Wavelength	Distance	Optical Connector
IMC-370-MM-B	Multi-Mode	850 nm	550 m	SC
IMC-370-MMST-B	Multi-Mode	850 nm	550 m	ST
IMC-370-SM-B	Single-Mode	1310 nm	10 km	SC
IMC-370-SE-B	Single-Mode	1310 nm	40 km	SC
IMC-370-SL-B	Single-Mode	1550 nm	80 km	SC
IMC-370-SSR-B	Single-Strand	1310T/1550R	15 km	SC
IMC-370-SST-B	Single-Strand	1550T/1310R	15 km	SC
IMC-370-SFP-B	Various	Various	Various	SFP