

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

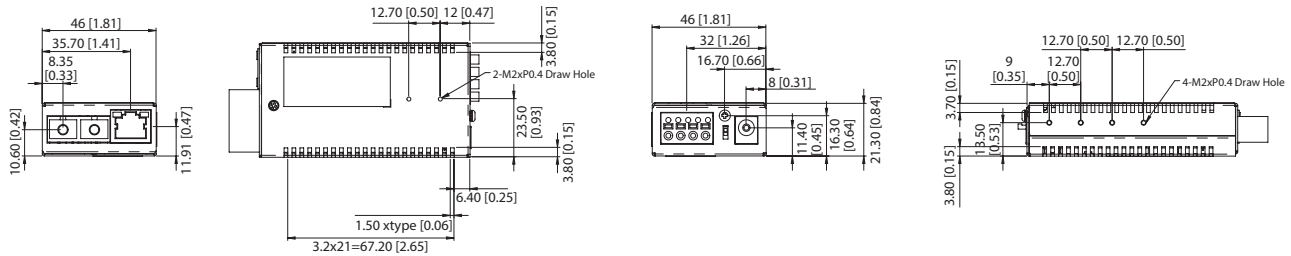
| Technical | |
|--|--|
| IEEE 802.3, 802.3u, 802.3ab, 802.3z | |
| Supports jumbo frames up to 10240 bytes | |
| Plug-and-play operation | |
| Status LED | |
| AutoCross for MDI/MDIX | |
| Supports Link Fault Pass Through (LFPT) | |
| Terminal DC power block (IMC-370I) | |
| Power Input | |
| 100 – 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 | |

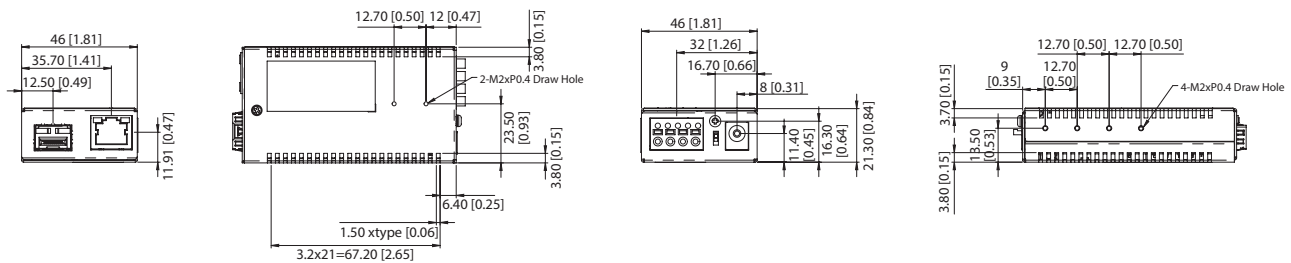
Dimensions

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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