

IMC-350I

10/100Mbps Miniature Media Converter



Features

- Metal enclosure with compact size
- Industrial grade design that supports an extended operating temperature
- NEMA TS2 for traffic control
- Support multiport power options: AC or DC adapter and dual USB cable
- IEEE802.3af compliant (as PoE-PD)
- Supports Link Fault Pass Through (LFPT)
- Support centralized powered IMC-318I chassis

Introduction

The IMC-350I 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.

Plug-and-play operation with a variety of model types and power options make the IMC-350I series easy and convenient to use. The IMC-350I series is of industrial grade and can operate in a wide temperature range. Multiple power options, including the IEEE802.3af Power-over-Ethernet standard, allow the IMC-350I series to function as a power device. Its AC adapter and USB connectivity offer unsurpassed flexibility for a variety of installation needs.

The IMC-350I series supports Link Fault Pass Through (LFPT) functionality. LFPT is a troubleshooting feature that combines TX LinkLoss (Twisted Pair, copper interface) and FX LinkLoss (Fiber, fiber interface) from both local and remote IMC Networks media converters, when used in pairs. This feature, when enabled, will pass a link fault through the device at each segment. If a link fails on one interface of the media converter, the media converter will force the link down on its link partner and then forward it to the next interface.

Specifications

| Technical | |
|---|--|
| IEEE 802.3, 802.3u | |
| IEEE 802.3af compliant PoE-PD | |
| Support jumbo frames up to 2046 bytes | |
| Plug-and-play operation | |
| Status LED | |
| AutoCross for MDI/MDIX | |
| Supports Link Fault Pass Through (LFPT) | |
| Terminal DC power block | |
| Power Input | |
| 7 – 50V DC, 1A (DC input) | |
| 100-240 V _{AC} , 50-60Hz, 0.3A (AC input)* | |
| 5V _{DC} (Barrel Connector)* | |
| 42.5-50V _{DC} , 0.6A (PoE input) | |

* additional accessories is required

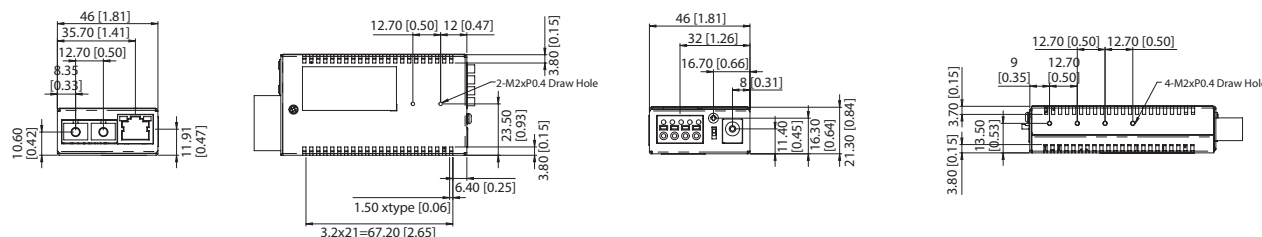
| Environment | |
|------------------------------|---|
| Operating Temperature | -25 ~ 85°C (-13 ~ 185°F)* |
| Storage Temperature | -40 to +85 °C (-40 to +185 °F) |
| Operating Humidity | 10 ~ 95% (non-condensing) |
| | 0 ~ 10,000 ft. altitude |
| MTBF | 162,935 Hours |
| Mechanical | |
| Dimensions (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, CSA | |
| NEMA TS2 for traffic control | |

* Temperature may change with additional accessories

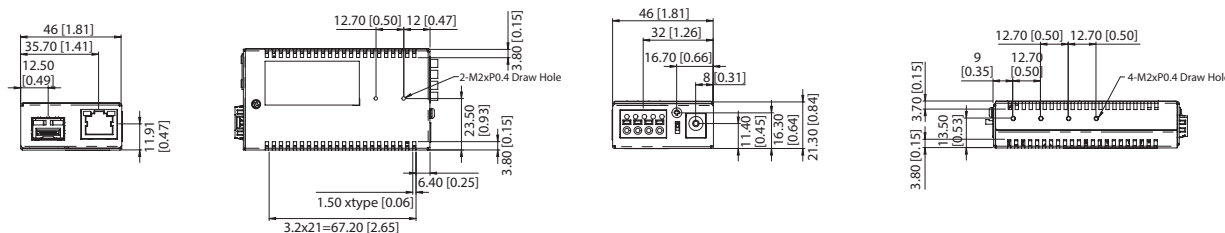
Dimensions

Unit: mm [inch]

IMC-350I



IMC-350I-SFP



Ordering Information

| Part No. | Optical Mode | Typical Wavelength | Typical Distance | Optical Connector |
|-----------------|----------------|-----------------------|------------------|-------------------|
| IMC-350I-M8-A | Multi-mode | 850nm | 2 km | SC |
| IMC-350I-M8ST-A | Multi-mode | 850nm | 2 km | SC |
| IMC-350I-MM-A | Multi-mode | 1310nm | 4 km | SC |
| IMC-350I-MMST-A | Multi-mode | 1310nm | 4 km | ST |
| IMC-350I-SE-A | Single-mode | 1310nm | 40 km | SC |
| IMC-350I-SL-A | Single-mode | 1550nm | 80 km | SC |
| IMC-350I-SST-A | Bi-Directional | 1310nm Tx / 1550nm Rx | 20 km | Single SC |
| IMC-350I-SSR-A | Bi-Directional | 1550nm Tx / 1310nm Rx | 20 km | Single SC |
| IMC-350I-SFP-A | * | * | * | * |

*additional SFP is required, available at www.advantech.com

Fiber Optical

| Fiber Cable Type | 100Base FX | | | | | | |
|------------------|-------------------------|-----------|-------------|-------------|----------------|---------------|---------------|
| | Multi-Mode | | Single-Mode | | Bi-Directional | | |
| | OM1/ OM2 | OM1/ OM2 | G.652 | G.652 | G.652 | G.652 | |
| Typical Distance | 2KM | 4KM | 40KM | 80KM | 20KM | 20KM | |
| Wavelength | Typical (nm) | 850 | 1300 | 1310 | 1550 | 1310TX/1550RX | 1550TX/1310RX |
| | TX Range (nm) | 830 ~ 860 | 1270 ~ 1380 | 1260 ~ 1360 | 1260 ~ 1600 | 1260 ~ 1360 | 1480 ~ 1580 |
| | RX Range (nm) | 780 ~ 860 | 1270 ~ 1380 | 1260 ~ 1600 | 1260 ~ 1600 | 1480 ~ 1580 | 1260 ~ 1360 |
| Optical Power | TX Range (dBm) | -10 ~ -4 | -23.5 ~ -14 | -15 ~ -8 | -6 ~ 0 | -14 ~ -8 | -14 ~ -8 |
| | RX Range (dBm) | -3 ~ -24 | -8 ~ -32 | -5 ~ -34 | -3 ~ -36 | -3 ~ -32 | -3 ~ -32 |
| | Link Budget (dB) | 14 | 8.5 | 19 | 30 | 18 | 18 |
| | Dispersion Penalty (dB) | 1 | 3 | 1 | 1 | 1 | 1 |

Accessories (Optional)

| Part No. | Description |
|--------------|---|
| BB-806-39720 | AC POWER ADAPTER for IMC-350I and IMC-370I series* |
| BB-806-39628 | USB Power Cable 36" for IMC-350I and IMC-370I series |
| BB-806-39629 | USB Power Cable 12" for IMC-350I and IMC-370I series |
| BB-806-39638 | Dual-USB Power Cable for IMC-350I and IMC-370I series |
| IMC-318I | 19"18-slot Chassis for IMC-350I and IMC-370I series |
| BB-895-39229 | BRACKET, WALLMOUNT for IMC-300 series |

*operation temperature: -10 to 50°C (+14 to +122°F)

Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



AutoCont IPC a.s.

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