IMC-350 LFPT

10/100Mbps Miniature Media Converter with LFPT

Features

- Metal enclosure with compact size
- Industrial grade design that supports an extended operating temperature (IMC-350I series)
- NEMA TS2 for traffic control
- IEEE802.3af compliant (IMC-350I series as PoE-PD)
- Supports Link Fault Pass Through (LFPT)
- Centralized powered IMC-318I chassis

Introduction

The IMC-350 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-350 series serves as media and data rate converter that have NEMA TS2 rating, making it ideal for use in traffic applications.

Plug-and-play operation with a variety of model types and power options make the IMC-350 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-350 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 (IMC-350I)
Supports jumbo frames up to 1916 bytes
Plug-and-play operation
Status LED
AutoCross for MDI/MDIX
Supports Link Fault Pass Through (LFPT)
Terminal DC power block (IMC-350I)
Power Input
100 – 240V DC, 50-60Hz, 0.3A (IMC-350/350I AC input)
7 – 50V DC, 1A (IMC-350I DC input)
5V DC (Barrel Connector)
42.5-50VDC, 0.6A (IMC-350I PoE-PD input)

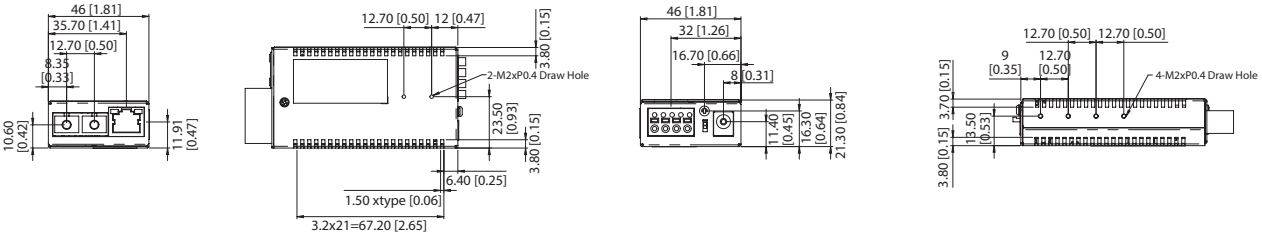
Environment	
Operating Temperature	0 to +50 °C (+32 to +122 °F) (IMC-350)
	-25 ~ 85°C (-13 ~ 185°F) (IMC-350I DC or PoE-PD input)
	-10 to +50 °C (+14 to +122 °F) (IMC-350I AC input)
Storage Temperature	-35 ~ 75°C (-31 ~ 167°F) (IMC-350 series)
	-40 to +85 °C (-40 to +185 °F) (IMC-350I series)
Operating Humidity	10 ~ 95% (non-condensing)
	0 ~ 10,000 ft. altitude
MTBF	109,575 Hours (IMC-350 series)
	162,935 Hours (IMC-350I 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 B, UL/cUL, CSA (IMC-350, IMC-350I using any DC jack)	
CE, FCC Class A, UL/cUL, CSA (IMC-350I using any DC jack)	
NEMA TS2 for traffic control	

All product specifications are subject to change without notice.
Last updated: 9-Mar-2020

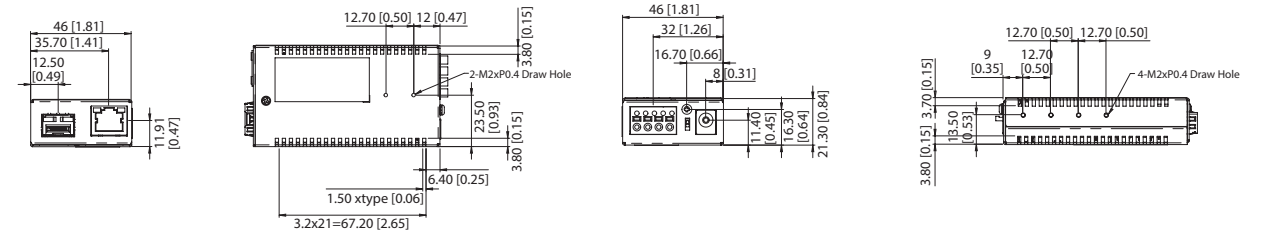
Dimensions

Unit: mm [inch]

IMC-350I



IMC-350I-SFP



Ordering Information

10/100 Mbps Miniature Media Converter

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

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

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

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

AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

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PRODLOUŽENÁ ZÁRUKA
Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.

ODMĚNA ZA VĚRNOST
Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obratu.

SERVIS ON-SITE A IN-TIME
K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.