IMC-480/490

10/100Mbps PoE Media Converter
10/100/1000Mbps PoE+ Media Converter

Features

- Supports one fixed optical connector with single-mode, multi-mode, or SFP, and two RJ-45 ports
- One RJ-45 port serves as PoE-PSE
- Supports internal AC power
- IEEE802.3at/af compliant (IMC-490) or IEEE802.3af compliant (IMC-480)
- Supports jumbo frame functionality (up to 10240 bytes)
- Supports configurable PoE reset on fiber Loss of Signal (LOS)
- Support Link Fault Pass Through (LFPT)

RoHS COMPLIANT 2002/95/EC   CE   FCC

Introduction

IMC-480 and 490 are the perfect solutions for network applications that require Power-over-Ethernet (PoE) for locations inside buildings where PoE is required to power an Ethernet device. The IMC-480 and 490 series offer three ports: one fiber uplink for the network connection, one PoE/PSE copper port that provides Power-over-Ethernet, and one copper port to connect a non-PoE unit to the same fiber uplink.

As a fiber media converter, it provides both power (up to 15.4W with IMC-480 and 25.5W with IMC-490) and data to a single remote device over standard CAT5, eliminating the need for additional power to the end device at the remote site. Additionally, the IMC-480/490 media converters come with an internal AC power supply and support jumbo frames up to 10240 bytes. The IMC-480/490 series features Link Fault Pass Through (LFPT) with a DIP switch that has a diagnostic feature which can be enabled or disabled to assist the end user in troubleshooting a failed segment.
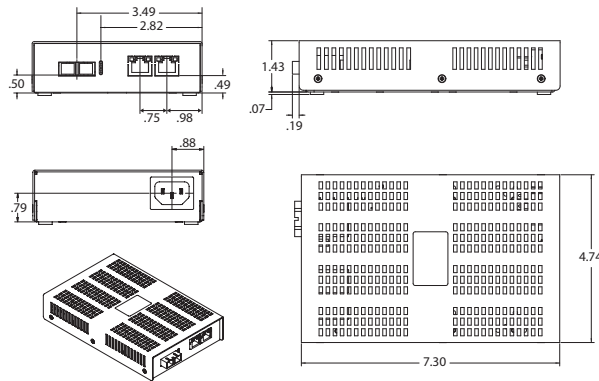
Specifications

Technical
IEEE 802.3, 802.3u (IMC-480 series)
IEEE 802.3, 802.3u, 802.3ab (IMC-490 series)
IEEE 802.3af Power over Ethernet 15.4W (IMC-480 series)
IEEE 802.3at/af Power over Ethernet 25.5W (IMC-490 series)
Plug-and-Play operation
Supports diagnostic LEDs
Supports AutoCross MDI/MDIX, LinkLoss and FiberAlert
Supports Auto Negotiation
Supports jumbo frame up to 10240 bytes
One PoE-PSE for RJ-45
Power Input
100-240 VAC, 50/60Hz, 0.5A to 0.2A

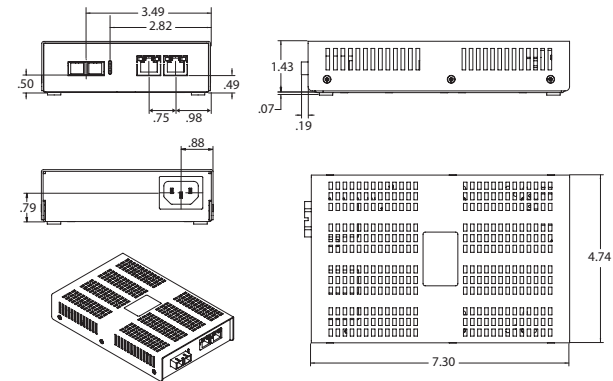| Environment	
Operating Temperature	0 to +50 °C (+32 to +122 °F)
Storage Temperature	-40 to +85 °C (-40 to +185 °F)
Operating Humidity	5 ~ 95% (non-condensing)
	0 ~ 10,000 ft. altitude
Mechanical	
Dimensions (H x W x D)	3.71 x 12.09 x 18.59 cm (1.46 x 4.76 x 7.32 in)
Weight	0.58 kg (1.3 lb)
Certifications	
CE, FCC Class A, UL/cUL, CSA	

Dimensions

Unit: inch

IMC-480

IMC-490

Ordering Information

Media Converter w/ US power cord

Part Number	Also Known As	Ethernet Speed	PoE PSE	Optical Mode	Wavelength	Distance	Optical Connector	Ethernet Connector
IMC-480-M8-US	852-11713	10/100 Mbps	PoE	Multi-Mode	850 nm	2 km	SC	2 x RJ45
IMC-480-M8ST-US	852-11712	10/100 Mbps	PoE	Multi-Mode	850 nm	2 km	ST	2 x RJ45
IMC-480-MM-US	852-11715	10/100 Mbps	PoE	Multi-Mode	1300 nm	5 km	SC	2 x RJ45
IMC-480-MMST–US	852-11714	10/100 Mbps	PoE	Multi-Mode	1300 nm	5 km	ST	2 x RJ45
IMC-480-SE-US	852-11717	10/100 Mbps	PoE	Single-Mode	1310 nm	40 km	SC	2 x RJ45
IMC-480-SEST-US	852-11716	10/100 Mbps	PoE	Single-Mode	1310 nm	40 km	ST	2 x RJ45
IMC-490-M1-US	852-11913	10/100/1000 Mbps	PoE+	Multi-Mode	1300 nm	2 km	SC	2 x RJ45
IMC-490-MM-US	852-11912	10/100/1000 Mbps	PoE+	Multi-Mode	850 nm	550 m	SC	2 x RJ45
IMC-490-SM-US	852-11914	10/100/1000 Mbps	PoE+	Single-Mode	1310 nm	10 km	SC	2 x RJ45
IMC-490-SFP-US	852-11911	10/100/1000 Mbps	PoE+	Various	Various	Various	SFP	2 x RJ45

Media Converter w/o power cord

Part Number	Also Known As	Ethernet Speed	PoE PSE	Optical Mode	Wavelength	Distance	Optical Connector	Ethernet Connector
IMC-480-M8	-	10/100 Mbps	PoE	Multi-Mode	850 nm	2 km	SC	2 x RJ45
IMC-480-M8ST	-	10/100 Mbps	PoE	Multi-Mode	850 nm	2 km	ST	2 x RJ45
IMC-480-MM	-	10/100 Mbps	PoE	Multi-Mode	1300 nm	5 km	SC	2 x RJ45
IMC-480-MMST	-	10/100 Mbps	PoE	Multi-Mode	1300 nm	5 km	ST	2 x RJ45
IMC-480-SE	-	10/100 Mbps	PoE	Single-Mode	1310 nm	40 km	SC	2 x RJ45
IMC-480-SEST	-	10/100 Mbps	PoE	Single-Mode	1310 nm	40 km	ST	2 x RJ45
IMC-490-M1	-	10/100/1000 Mbps	PoE+	Multi-Mode	1300 nm	2 km	SC	2 x RJ45
IMC-490-MM	-	10/100/1000 Mbps	PoE+	Multi-Mode	850 nm	550 m	SC	2 x RJ45
IMC-490-SM	-	10/100/1000 Mbps	PoE+	Single-Mode	1310 nm	10 km	SC	2 x RJ45
IMC-490-SFP	-	10/100/1000 Mbps	PoE+	Various	Various	Various	SFP	2 x RJ45

Accessories

Part Number	Description
895-39226	Rackmount Bracket
895-39227	Wallmount Bracket

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

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Authorized Distributor

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