IMC-780

Slide-In Modular Media Converter
10/100/1000Mbps Managed Fiber Series

Features

- A single-wide module that allows maximum use of slots in multi-port chassis
- Supports OAM and VLAN
- Supports Link Fault Pass Through (LFPT)
- The SFP port supports both copper and fiber SFPs
- SNMP manageable
- Provides a RS-232 CLI (command line interface) console port
- The modular, hot-swappable architecture reduces operational costs associated with product installation, upgrades, and maintenance.
- A versatile 4-port device works under extended temperatures (IMC-784I-SFP)

RoHS COMPLIANT 2002/95/EC CE FCC

Introduction

The IMC-782-SFP media converter connects a host/remote Ethernet network over a fiber optic or CAT5 copper connection. It combines 10/100/1000Mbps to Gigabit fiber media conversion with an advanced feature set including OAM (operation, administration, and management), extra-tagging, and Ethernet type control functions for network management and troubleshooting. Administrators can observe the end-points over the fiber segment between them as a single management entity. Bandwidth scalability and support for MIBs II makes this modular device a versatile Gigabit solution.

The IMC-784I-SFP comes with two SFP ports for the providers' network connection and two fixed 10/100/1000Base-T copper ports with four distinct DIP switch selectable configurations: 1+1 uplink protection revertive mode, 1+1 uplink protection non-revertive mode, a 4-port Gigabit switch, and a dual copper to fiber SFP media/mode converter.

The software management software for IMC-780 series, iView², allows users to perform remote configuration and alerts administrators to any potential problems on the long-haul fiber run, providing vital information on link condition and reporting data traffic statistics.

Specifications

Technical
Supports Gigabit copper and fiber SFPs
IEEE 802.3u, 802.3ab, 802.3z
SFP—MSA compliant
Supports 802.3ah OAM (Operation, Administration & Management)
802.1ad Extra Tagging (Q-in-Q)
802.3 1Q VLAN
AutoCross for MDI/MDIX
Supports diagnostic LEDs
Hot-swappable architecture
SNMP V1 and V2c compatible
Includes loopback test modes
Supports Link Fault Pass Trough
1+1 Uplink Protection (IMC-784I-SFP)

Environment	
Operating Temperature	0 to +50 °C (+32 to +122 °F) (IMC-782-SFP)
	-40 to +85 °C (-40 to +185 °F) (IMC-784I-SFP)
Storage Temperature	-40 to +85 °C (-40 to +185 °F)
Operating Humidity	5 ~ 95% (non-condensing)
	0 ~ 10,000 ft. altitude
MTBF	522,644 Hours
Mechanical	
Dimensions (H x W x D)	10.74 x 2.0 x 7.05 cm (4.19 x 0.78 x 2.75 in)
Weight	0.136 kg (0.30 lb) (IMC-782-SFP)
	0.11 kg (0.24 lb) (IMC-784I-SFP)
Certifications	
FCC Class A	
CE, UL/cUL	
CSA (IMC-782-SFP)	

* Simple Network Management Protocol-based element management software.
To configure, update, manage and monitor from a central location.

iView²
DEVICE MANAGEMENT APPLICATION

iView2: Webserver version, available
for download from website.

Dimensions

Unit: inch

IMC-782-SFP
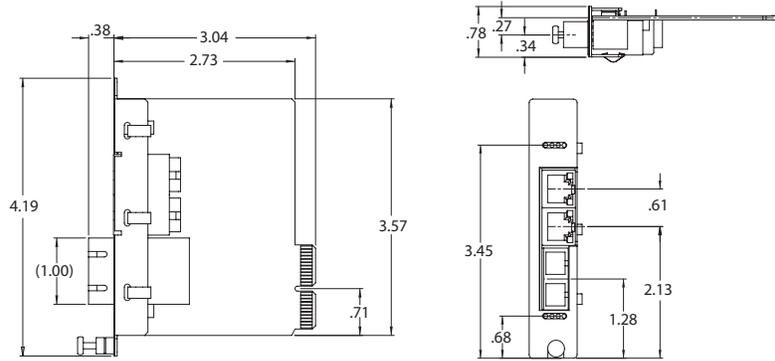
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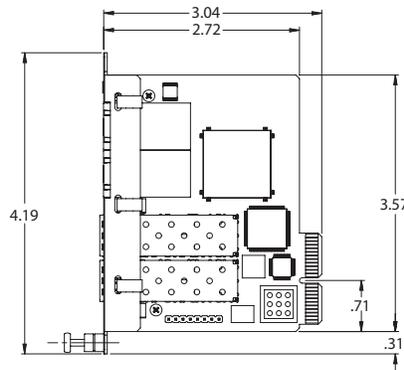
Ordering Information

10/100/1000 Mbps Managed Fiber Series

Part Number	Also Known As	Optical Mode	Distance	Optical Connector
IMC-782-SFP	856-14201	Various	Various	1 x SFP
IMC-784I-SFP (Wide Temp.)	858-18121	Various	Various	2 x SFP

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