IMC-790

Slide-In Modular Media Converter
10Gbps SFP+ and XFP Fiber Series

Features

- Interchangeable SFP+ and XFP modules that allow for multiple fiber mode/ type conversion options
- Supports SNMP when installed in a compatible managed chassis
- Supports a wide range of SFP+ modules
- Supports hot-swappable functionality
- Supports configuration control functionality
- The user selectable FX LinkLoss feature enables the operator to identify a cable fault failure when the unit is not installed in a managed chassis

RoHS COMPLIANT 2002/95/EC CE FCC

Introduction

The IMC-790-2SFP is a single-wide SNMP manageable module. The IMC-790-2XFP is a dual-wide SNMP manageable module. They both allow network operators to convert an array of fiber types within a network and can be installed in the modular SNMP-manageable iMediaChassis IMC-79x series and in the unmanaged MediaChassis IMC-71x series.

The IMC-790-2SFP uses a 10Gbps SFP+ module while the IMC-790-2XFP uses a 10Gbps XFP module. Both series are capable of moving large amounts of data over long distances for different applications. The hot-swappable nature of SFP+ and XFP, and the numerous 10G protocols and types that are available all allow for easy configuration and future upgrading as network demands evolve.

The protocol-independent with dual SFP+ ports provide a single conversion between single-mode to multi-mode fiber, single-mode to single-mode fiber, or single-strand to single-mode fiber. The IMC-790-2XFP is protocol-independent with dual XFP ports that can provide a single conversion between copper, different wavelengths, or single-mode and multi-mode fiber, single-mode to single-mode fiber, or multi-mode to single-strand single-mode fiber.

The media converters can be easily configured and managed with the GUI-based iView[2] software. As an SNMP management application, iView[2] gives network managers the ability to monitor and control IMC series products. When iView[2] runs as a web server version, it is free and available for download from the website.

Specifications

Technical
2 x SFP+ ports (IMC-790-2SFP)
2 x XFP ports (IMC-790-2XFP)
Converts between dissimilar fiber modes and wavelengths
Includes diagnostic LEDs
Hot-swappable architecture
Modular form factor
SFP-MSA standard (IMC-790-2SFP)
SFF-8472 DDMI standard (IMC-790-2XFP)
Supports Jumbo Frames up to 10,000 bytes

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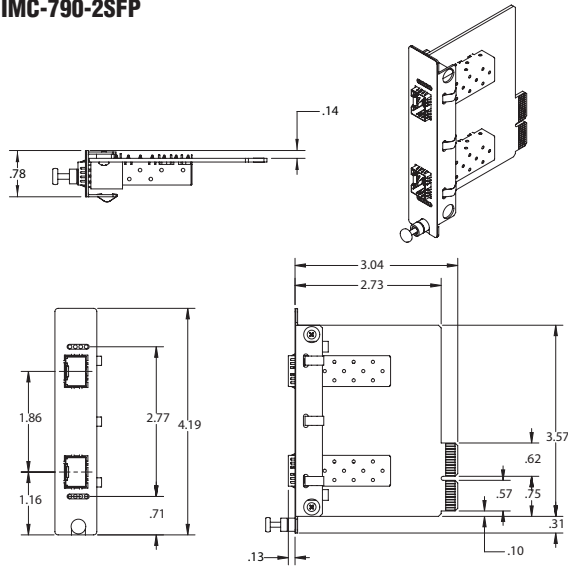To configure, update, manage and monitor from a central location.

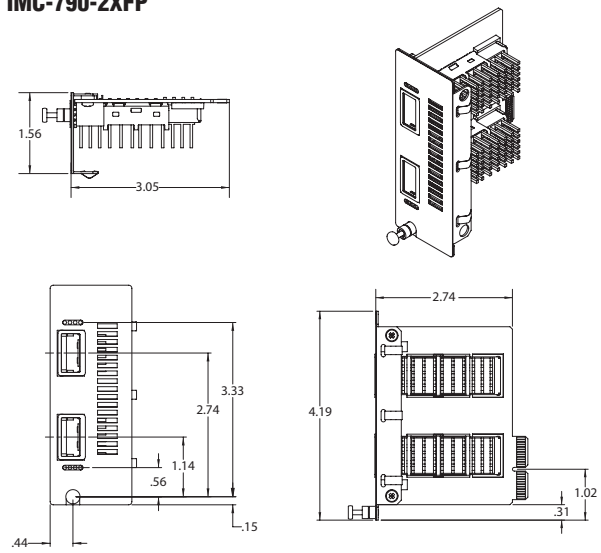iView2: Webserver version, available for download from website.

Environment	
Operating Temperature	-20 to +70 °C (-4 to +158 °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)	4.19 x 0.78 x 2.75 inch (IMC-790-2SFP)
	4.19 x 1.56 x 2.75 inch (IMC-790-2XFP)
Weight	0.11 kg (0.3 lb)
Certifications	
CE, UL/cUL	
FCC Class A	

Dimensions

IMC-790-2SFP

IMC-790-2XFP

Ordering Information

Part Number	Also Known As	Optical Mode	Distance	Optical Connector
IMC-790-2SFP	860-12102	Various	Various	2 x SFP+
IMC-790-2XFP	860-12100	Various	Various	2 x XFP

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