

IMC-770/771

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



Features

- Variety of choices: multi-mode, single-mode or single-strand including SFP form factor
- The modular, hot-swappable architecture reduces operational costs associated with product installation, upgrades, and maintenance
- SNMP manageable
- Supports configuration control
- Supports Link Fault Pass Through (LFPT)

Introduction

The IMC-771/771 series are slide-in module Ethernet-to-fiber media converters for the IMC-7xx chassis which support hot-swappable and easy installation. They allow network operators to incorporate multiple fiber types and wavelengths within a network. The IMC-770/771 can be monitored and controlled via a central site with IMC-710 SNMP management module by iView², Telnet, or CLI while installed in a IMC-71x series chassis.

The IMC-771/771 offers a range of speeds up to Gigabit Ethernet and is available with SFP or build-in fiber connector. Multi-mode, single-mode fiber or double fiber capacity with single-strand which supports the transmission distance from 550m to 70km. The IMC-770/771 series feature in the Link Fault Pass Through (LFPT), a diagnostic feature that can enable or disable links to assist the end user in troubleshooting a failed segment and configuration control to retain the latest configuration regardless of how the initial configuration was setup.

The IMC-770I-2SFP converter is protocol-independent with dual SFP ports which can provide a single conversion between different wavelengths or single-mode and multi-mode fiber, single-mode to single-mode fiber, or multi-mode to single-strand fiber. Its SFP port must use an SFP of the same speed while allowing different fiber types. Additionally, the IMC-770I-2SFP and IMC-771I-SFP are industrial equipment devices. The unit operates in environments that demand extended operating temperatures.

Specifications

| Technical | |
|---|--|
| IEEE 802.3, 802.3u, 802.3ab (IMC-770 series) | |
| IEEE 802.3ab, 802.3z (IMC-771 series) | |
| SFP-MSA standard (IMC-770I-2SFP, IMC-770-SFP, IMC-771I-SFP) | |
| Link Fault Pass-Through (LFPT) | |
| Support GUI-Based iView ² | |
| Includes Diagnostic LEDs | |
| Includes Hot-swappable Architecture | |
| Meantime Before Failure (MTBF) | |
| MTBF | 1.4 million hours (IMC-770 series) |
| | 1.9 million hours (IMC-770I-2SFP & IMC-771 series) |

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



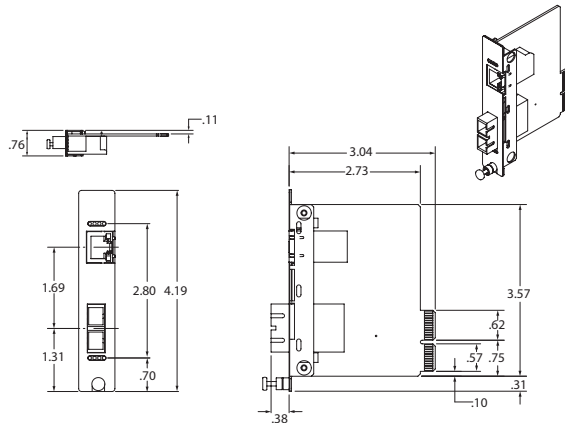
iView2: Webserver version, available for download from website.

| Environment | |
|----------------------------------|--|
| Operating Temperature | 0 to +50 °C (+32 to +122 °F) |
| | -40 to +85 °C (-40 to +185 °F) (IMC-770I-2SFP & IMC-771I-SFP) |
| Storage Temperature | -25 to +70 °C (-13 to +158 °F) |
| | -40 to +85 °C (-40 to +185 °F) (IMC-770I-2SFP & IMC-771I-SFP) |
| Operating Humidity | 5 ~ 95% (non-condensing) |
| | 0 ~ 10,000 ft. altitude |
| 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 | 0.11 kg (0.30 lb) |
| Certifications | |
| CE, FCC Class B (IMC-770 series) | |
| CE FCC Class A (IMC-771 series) | |

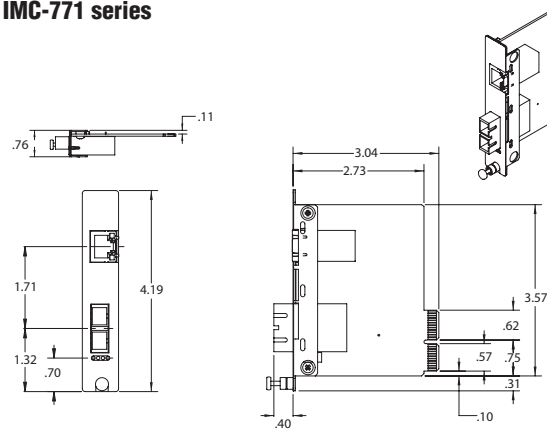
Dimensions

Unit: inch

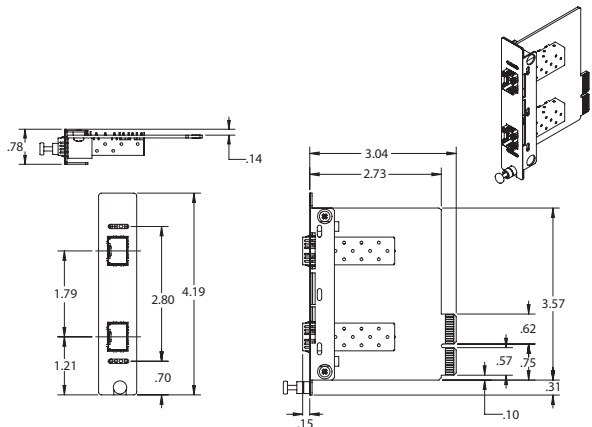
IMC-770 series



IMC-771 series



IMC-7711-2SFP



Ordering Information

| Part Number | Also Known As | Ethernet Speed | Optical Mode | Wavelength | Distance | Optical Connector |
|--------------|---------------|-----------------|---------------|-------------|----------|-------------------|
| IMC-770-MM | 856-11950 | 10/100/1000Mbps | Multi-Mode | 850 nm | 550 m | 1 x SC |
| IMC-770-SM | 856-11951 | 10/100/1000Mbps | Single-Mode | 1310 nm | 10 km | 1 x SC |
| IMC-770-SST | 856-11940 | 10/100/1000Mbps | Single-Strand | 1310T/1550R | 10 km | 1 x SC |
| IMC-770-SSR | 856-11941 | 10/100/1000Mbps | Single-Strand | 1550T/1310R | 10 km | 1 x SC |
| IMC-770-SSER | 856-11943 | 10/100/1000Mbps | Single-Strand | 1550T/1310R | 40 km | 1 x SC |
| IMC-770-SFP | 856-15410 | 10/100/1000Mbps | Various | Various | Various | 1 x SFP |

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

* Single-Strand fiber deploys in pairs or connect another compatible single-strand fiber product.

| Part Number | Also Known As | Ethernet Speed | Optical Mode | Wavelength | Distance | Optical Connector |
|----------------------------|---------------|--------------------------------|---------------|-------------|----------|-------------------|
| IMC-771-MM | 850-15511 | 1000Mbps | Multi-Mode | 850 nm | 550 m | 1 x SC |
| IMC-771-SM | 850-15512 | 1000Mbps | Single-Mode | 1310 nm | 10 km | 1 x SC |
| IMC-771-SE | 850-15513 | 1000Mbps | Single-Mode | 1310 nm | 40 km | 1 x SC |
| IMC-771-SXL | 850-15515 | 1000Mbps | Single-Mode | 1550 nm | 100 km | 1 x SC |
| IMC-771-SST | 850-15521 | 1000Mbps | Single-Strand | 1310T/1550R | 10 km | 1 x SC |
| IMC-771-SSR | 850-15522 | 1000Mbps | Single-Strand | 1550T/1310R | 10 km | 1 x SC |
| IMC-771-SSET | 850-15525 | 1000Mbps | Single-Strand | 1310T/1550R | 40 km | 1 x SC |
| IMC-771-SSER | 850-15526 | 1000Mbps | Single-Strand | 1550T/1310R | 40 km | 1 x SC |
| IMC-771-SS4T | 850-15529 | 1000Mbps | Single-Strand | 1490T/1550R | 70 km | 1 x SC |
| IMC-771-SS4R | 850-15530 | 1000Mbps | Single-Strand | 1550T/1490R | 70 km | 1 x SC |
| IMC-7711-SFP-(Wide Temp.) | 850-18510 | 1000Mbps | Various | Various | Various | 1 x SFP |
| IMC-7711-2SFP (Wide Temp.) | 850-19500 | 100/1000 Mbps (Mode converter) | Various | Various | Various | 2 x SFP |

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