

IMC-450 / 470

10/100Mbps and 10/100/1000Mbps Media Converter



Features

- Designed with internal AC power
- Supports diagnostic features including Link Loss and Fiber Alert
- Optional 10/100/1000Mbps copper ports
- Optional Link Fault Pass Through (LFPT)
- Supports range of SFP modules
- Supports multiple mounting options (desktop, DIN rail or wall-mount)



Introduction

The IMC-450 and 470 series are standalone media converters with an optional internal power security device that makes the connection between copper and fiber cables. They can be installed anywhere a network connection is required. In addition, these media converters feature automatic link restoration. They increase the scalability of a network by providing rate conversion, distance extension, and multiple types of fixed fiber connectors or open slots for small form-factor pluggable (SFP) connections.

The IMC-450 series provides one 10/100Mbps copper UTP port and one fiber port. The IMC-470 series provides two 10/100/1000Mbps copper UTP ports and one fiber port. They are available in an SFP form factor, as well as for fixed-fiber in single-mode and multi-mode. Link Fault Pass Through (LFPT) functionality allows network operators to determine a fault condition on the interface. LFPT can be enabled via a dip switch on the front of the unit.

Specifications

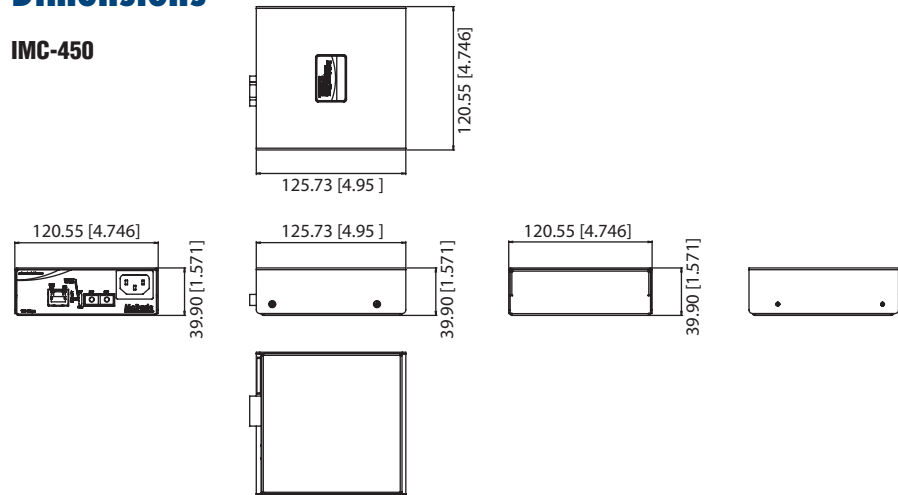
| Technical | |
|---|--|
| IEEE 802.3u 100Base-TX, 100Base-FX or SX (IMC-450 series) | |
| IEEE 802.3ab 1000Base-T, 1000Base-LX or SX (IMC-470 series) | |
| Supports diagnostic LEDs | |
| Supports AutoCross, Link Loss and Fiber Alert | |
| Supports Auto Negotiation | |
| Supports jumbo frame up to 10000 bytes | |
| 1 x RJ-45 connector (IMC-450 series) | |
| 2 x RJ-45 connector (IMC-470 series) | |
| Power Input | |
| 100-240 V AC, 50/60Hz, 1.0A (IMC-450 series) | |
| 100-240 V AC, 50/60Hz, 7 watts maximum working power | |

| Environment | |
|------------------------------|---|
| Operating Temperature | 0 to +50 °C (+32 to +122 °F) (IMC-450 series) |
| | -10 to +50 °C (+14 to +122 °F) (IMC-470 series) |
| Storage Temperature | -20 to +70 °C (0 to +160 °F) (IMC-450 series) |
| | -35 to +75 °C (-31 to +167 °F) (IMC-470 series) |
| Operating Humidity | 5 ~ 95% (non-condensing) |
| | 0 ~ 10,000 ft. altitude |
| MTBF | 1.8 million hours (IMC-450 series) |
| | 1.8 million hours (IMC-470 series) |
| Mechanical | |
| Dimensions (H x W x D) | 4.20 x 12.17 x 11.64 cm (1.64 x 4.75 x 4.9 in) (IMC-450 series) |
| | 2.03 x 10.16 x 10.16 cm (0.80 x 4.0 x 4.0 in) (IMC-470 series) |
| Weight | 0.58 kg (1.3 lb) (IMC-450 series) |
| | 0.3kg (0.7lb) (IMC-470 series) |
| Certifications | |
| CE, FCC Class A, UL/cUL, CSA | |

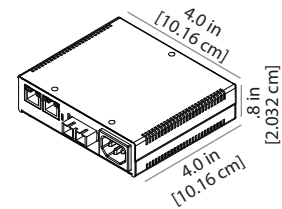
Dimensions

Unit: inch

IMC-450



IMC-470



Ordering Information

Media Converter with US power cord

| Part Number | Also Known As | Ethernet Speed | Optical Mode | Wavelength | Distance | Optical Connector | Ethernet Connector |
|-------------------|---------------|------------------|--------------|------------|----------|-------------------|--------------------|
| IMC-450-M8-US-A | 855-10930-A | 10/100 Mbps | Multi-mode | 850 nm | 2 km | SC | 1 x RJ45 |
| IMC-450-M8ST-US-A | 855-10929-A | 10/100 Mbps | Multi-mode | 850 nm | 2 km | ST | 1 x RJ45 |
| IMC-450-MM-US-A | 855-10928-A | 10/100 Mbps | Multi-mode | 1300 nm | 5 km | SC | 1 x RJ45 |
| IMC-450-MMST-US-A | 855-10927-A | 10/100 Mbps | Multi-mode | 1300 nm | 5 km | ST | 1 x RJ45 |
| IMC-450-SE-US-A | 855-10932-A | 10/100 Mbps | Single-mode | 1310 nm | 40 km | SC | 1 x RJ45 |
| IMC-450-SEST-US-A | 855-10931-A | 10/100 Mbps | Single-mode | 1310 nm | 40 km | ST | 1 x RJ45 |
| IMC-450-SL-US-A | 855-10934-A | 10/100 Mbps | Single-mode | 1310 nm | 80 km | SC | 1 x RJ45 |
| IMC-450-SLST-US-A | 855-10933-A | 10/100 Mbps | Single-mode | 1310 nm | 80 km | ST | 1 x RJ45 |
| IMC-470-MM-US | 856-30601 | 10/100/1000 Mbps | Multi-mode | 850 nm | 550 m | SC | 2 x RJ45 |
| IMC-470-M1-US | 856-30602 | 10/100/1000 Mbps | Multi-mode | 1300 nm | 2 km | SC | 2 x RJ45 |
| IMC-470-SM-US | 856-30603 | 10/100/1000 Mbps | Single-mode | 1310 nm | 10 km | SC | 2 x RJ45 |
| IMC-470-SE-US | 856-30604 | 10/100/1000 Mbps | Single-mode | 1310 nm | 40 km | SC | 2 x RJ45 |
| IMC-470-SFP-US | 856-30600 | 10/100/1000 Mbps | Various | Various | Various | SFP | 2 x RJ45 |

Media Converter w/o power cord

| Part Number | Also Known As | Ethernet Speed | Optical Mode | Wavelength | Distance | Optical Connector | Ethernet Connector |
|----------------|---------------|------------------|--------------|------------|----------|-------------------|--------------------|
| IMC-450-M8-A | - | 10/100 Mbps | Multi-mode | 850 nm | 2 km | SC | 1 x RJ45 |
| IMC-450-M8ST-A | - | 10/100 Mbps | Multi-mode | 850 nm | 2 km | ST | 1 x RJ45 |
| IMC-450-MM-A | - | 10/100 Mbps | Multi-mode | 1300 nm | 5 km | SC | 1 x RJ45 |
| IMC-450-MMST-A | - | 10/100 Mbps | Multi-mode | 1300 nm | 5 km | ST | 1 x RJ45 |
| IMC-450-SE-A | - | 10/100 Mbps | Single-mode | 1310 nm | 40 km | SC | 1 x RJ45 |
| IMC-450-SEST-A | - | 10/100 Mbps | Single-mode | 1310 nm | 40 km | ST | 1 x RJ45 |
| IMC-450-SL-A | - | 10/100 Mbps | Single-mode | 1310 nm | 80 km | SC | 1 x RJ45 |
| IMC-450-SLST-A | - | 10/100 Mbps | Single-mode | 1310 nm | 80 km | ST | 1 x RJ45 |
| IMC-470-MM | - | 10/100/1000 Mbps | Multi-mode | 850 nm | 550 m | SC | 2 x RJ45 |
| IMC-470-M1 | - | 10/100/1000 Mbps | Multi-mode | 1300 nm | 2 km | SC | 2 x RJ45 |
| IMC-470-SM | - | 10/100/1000 Mbps | Single-mode | 1310 nm | 10 km | SC | 2 x RJ45 |
| IMC-470-SE | - | 10/100/1000 Mbps | Single-mode | 1310 nm | 40 km | SC | 2 x RJ45 |
| IMC-470-SFP | - | 10/100/1000 Mbps | Various | Various | Various | SFP | 2 x RJ45 |

Accessories

| Part Number | Description |
|-------------|-------------------|
| 895-39226 | Rackmount Bracket |

* 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.

 Uhlířská 1064/3, 710 00 Ostrava, Česká republika

 obchod@autocont-ipc.cz

 +420 552 301 002

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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 obrátu.



SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.