IMC-721I/723

Slide-In Modular Media Converter
T1/E1/J1 and DS3/E3/STS Series

Features

- DIP switch selectable protocols
- Supports Alarm Indication Signals (AIS)
- Supports Remote Alarm Indications (RAI) (IMC-721I)
- Supports Link Fault Pass Through (LFPT) (IMC-721T1.E1MUX)

RoHS COMPLIANT 2002/95/EC CE FCC

Introduction

The IMC-721I series converts 1.544Mbps T1/J1 and 2.048Mbps E1 traffic from conventional copper-based interfaces over regular fiber optics for long distance transmission up to 80km.

The IMC-721I-T1MUX and IMC-721-E1MUX are double wide media converters for the IMC-71x chassis series that transports four independent T1 lines over a single or dual fiber optic line. They support a full bandwidth 10/100BaseT Ethernet connection over the same optical link. The fiber redundancy (1+1) functionality on removable SFP modules offers the enhanced reliability of a protected fiber link while supporting the complete range of optical types and distances. They also feature an independent serial link (RS-232) which is useful for local monitoring and configuration of the unit by technical support personnel.

The IMC-723 series enables users to convert coaxial media to single-mode fiber and extend the distance of data transmissions over access networks up to 40km. The series supports premise networking applications to convert the incoming circuit to fiber for distribution into the structured cabling system.

The IMC-720 series are installed as a host-remote pair and can be remotely managed when the host is installed in an IMC-713/716/719 series with an SNMP management module. Since IMC-700 media converter series management technology functions transparently to the user data, real-time and end-to-end management is provided at all times.

Specifications

Technical

Technical	
T1/J1 1.544 Mbps, E1 2.048 Mbps (IMC-721I series)	
Four independent E1 ports on RJ-48 (IMC-721I-T1/E1MUX)	
DS3 45 Mbps, E3 34 Mbps or STS-1 52 Mbps (IMC-723)	
Configuration Control (IMC-721I series)	
Link Fault Pass-Through(LFPT) (IMC-721I-T1/E1MUX)	
Supports Dying GASP (IMC-721I-T1/E1MUX)	
Supports LinkLoss and FiberAlert	
Supports GUI-Based iView²	
Supports Diagnostic LEDs	
Includes Hot-swappable Architecture	
Dual SFP fiber ports (IMC-721-T1/E1MUX)	

Meantime Before Failure (MTBF)

MTBF	2,000,000 hours (IMC-721I series)
	732,333 hours (IMC-721I-T1/E1MUX)
	433,422 hours (IMC-723 series)

Environment

Environment	
Operating Temperature	0 to +50 °C (+32 to +122 °F) (IMC-721I/723 series)
	0 to +70 °C (+32 to +160 °F) (IMC-721I-T1/E1MUX)
Storage Temperature	-25 to +70 °C (-13 to +158 °F) (IMC-721I/723 series)
	-40 to +70 °C (-40 to +158 °F) (IMC-721I-T1/E1MUX)
Operating Humidity	5 ~ 95% (non-condensing)
	0 ~ 10,000 ft. altitude

Mechanical

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)
	Double-wide (IMC-721I-T1/E1MUX)
Weight	0.11 kg (0.30 lb) (IMC-721I & IMC-723 series)
	0.50 kg (1.1 lb) (IMC-721I-T1/E1MUX)

Certifications

Certifications	
CE, FCC Class A, UL/cUL, CSA (IMC-721I series)	
CE, FCC Class B (IMC-721I-T1/E1MUX & IMC-723 series)	

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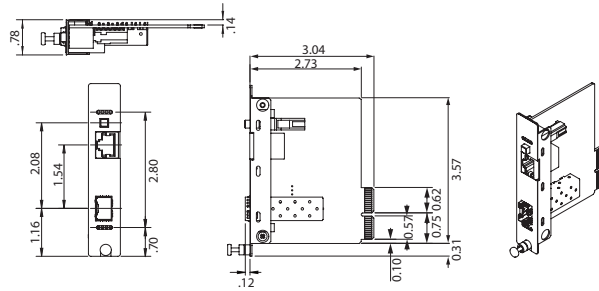To configure, update, manage and monitor from a central location.

iView²

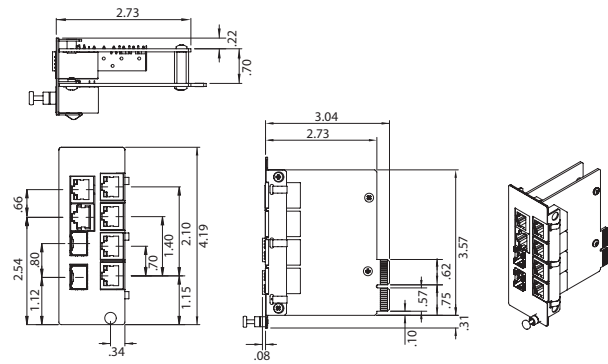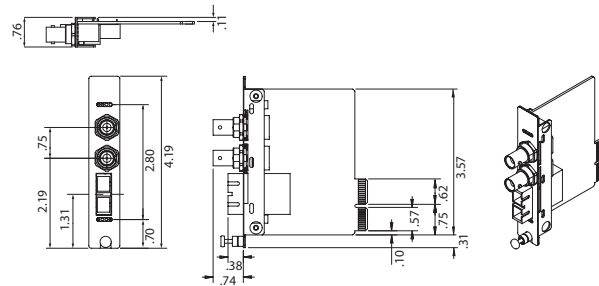iView2: Webserver version, available for download from website.

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All product specifications are subject to change without notice.   Last updated: 22-Apr-2019

Dimensions

Unit: mm

IMC-721I Series

IMC-721I T1/E1 MUX

IMC-723 Series

Ordering Information

Part Number	Also Known As	Optical Speed	Optical Mode	Wavelength	Distance	Optical Connector
IMC-721I-MMST	850-18103	100 Mbps	Multi-Mode	1300 nm	5 km	1 x ST
IMC-721I-MM	850-18104	100 Mbps	Multi-Mode	1300 nm	5 km	1 x SC
IMC-721I-SEST	850-18105	100 Mbps	Single-Mode	1310 nm	40 km	1 x ST
IMC-721I-SE	850-18106	100 Mbps	Single-Mode	1310 nm	40 km	1 x SC
IMC-721I-SL	850-18108	100 Mbps	Single-Mode	1310 nm	80 km	1 x SC
IMC-721I-SST	850-18122	100 Mbps	Single-Strand	1310T/1550R	20 km	1 x SC
IMC-721I-SSR	850-18123	100 Mbps	Single-Strand	1550T/1310R	20 km	1 x SC
IMC-721I-SSET	850-18124	100 Mbps	Single-Strand	1310T/1550R	40 km	1 x SC
IMC-721I-SSER	850-18125	100 Mbps	Single-Strand	1550T/1310R	40 km	1 x SC
IMC-721I-SFP	850-18100	100 Mbps	Various	Various	Various	1 x SFP
IMC-721I-T1MUX	857-18110	100 Mbps	Various	Various	Various	2 x SFP
IMC-721I-E1MUX	857-18111	100 Mbps	Various	Various	Various	2 x SFP
IMC-723-SE	850-14403	100 Mbps	Single-Mode	1310 nm	40 km	1 x SC
IMC-723-SSET	850-14412	100 Mbps	Single-Strand	1310T/1550R	40 km	1 x SC
IMC-723-SSER	850-14413	100 Mbps	Single-Strand	1550T/1310R	40 km	1 x SC

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

Accessories

Part Number	Description
825-39951	Serial Cable, MiniJack to DB9 (female) (IMC-721I-T1/E1MUX)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Advantech]():
  [IMC-721I-SSR]()