Dual Port, Wide Temperature, Managed Media Converter

IE-iMcV-2xLIM

PRODUCT FEATURES

- Functions as two independent copper to fiber media converters, doubling port density in the iMediaChassis and MediaChassis product lines Interchangeable SFP modules allow for multiple fiber type conversion options (single-mode, multi-mode, long haul, short haul, etc.)
- 100 Mbps SFPs and 2xLIM modules are hot-swappable
- No need to power-down chassis when upgrading or troubleshooting
- Link Fault Pass-Through (LFPT)
- Config Control

The IE-iMcV-2xLIM, TX/SFP is a Fast Ethernet module which provides two conversions of 100Base-TX twisted pair to 100Base-FX/SX single-mode or multi-mode fiber. There are two sets of ports, RJ-45 (copper) and SFP (fiber). The SFP port supports all MSA-compliant SC, LC and single-strand fiber (SSF), 155 Mbps SFPs. Designed as a Layer 1 device, the IE-iMcV-2xLIM is entirely transparent to both Layer 2 and Layer 3 protocols. The IE-iMcV-2xLIM is SNMP-manageable and can be installed into the modular, SNMP-manageable iMediaChassis or the MediaChassis series.

Easily configure and manage converters with the GUI-based iView². As an SNMP management program, iView² gives network managers the ability to monitor and control products. iView² runs standalone on a Web Server and is available as free software, downloadable from *www.advantech-bb.com*.

The Modules support Configuration Control, a feature that allows the Modules to retain their settings regardless of an SNMP Management Card replacement. If changes are made to the Modules using DIP Switches, the SNMP card will adopt the changes rather than overwriting the changes.

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
IE-iMcV-2xLIM *					
850-18610	SFP	2	Various	2	RJ-45

* SFP fibers sold separately - available at www.advantech-bb.com

iView: Webserver Version
Free Download

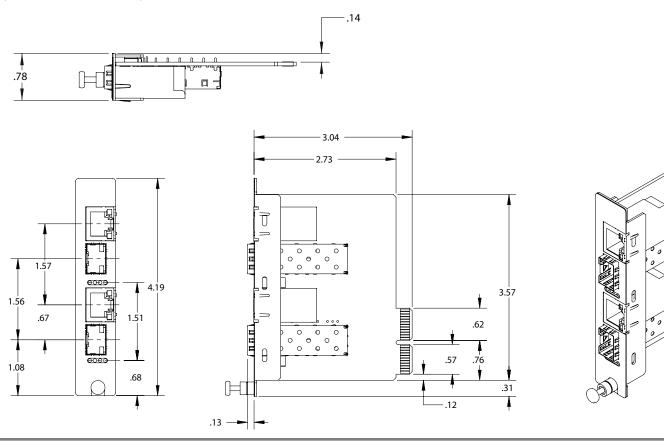B+B SMARTWORX
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IE-iMcV-2xLIM

SPECIFICATIONS

TECHNICAL
2 x RJ-45 and 2 x SFP ports (SFPs sold separately)
IEEE 802.3u 100Base-T over twisted pair
IEEE 802.3u 100Base-FX or SX over twisted pair
AutoCross for MDI/MDIX
LinkLoss, Far End Fault & Auto Negotiation
Link Fault Pass-Through (LFPT)
Supports Config Control
MDI/MDIX switch
DIP Switch selectable Auto Negotiation on copper port
Features low latency
Supports Half- and Full-Duplex operation
Supports Jumbo packets (No size limit)
Install in any iMediaChassis or MediaChassis
Supports GUI-Based iView²
Includes diagnostic LEDs
Hot-swappable architecture

STANDARD COMPLIANCE
SFP-MSA SFP standard (September 14, 2000)
SFF-8472 DDMI standard (Revision 1.0)
IEEE 802.3

SPECIFICATIONS - continued

MECHANICAL	
Dimensions	4.19"H x 0.78"W x 2.75"D (10.74 x 2 x 7.05 cm)
Shipping Weight	0.30 lbs (.11 kg)

INPUT VOLTAGE	
100 to 240 VAC 50/60Hz (External Power Supply) 5 VDC ± 5%	

POWER	
Max Current: 0.80A	

ENVIRONMENTAL	
Operating Temperature:	-40° F to +176° F (-40° C to +80° C)
Storage Temperature:	-40° F to +176° F (-40° C to +80° C)
Operating Humidity	5% to 95% (non-condensing), 0 – 10,000 ft. altitude

REGULATORY APPROVALS	
FCC Class B	
UL, CSA, CE	
TUV	

MEANTIME BEFORE FAILURE (MTBF)	
MTBF	2.3 million hours

MECHANICAL DIAGRAM

(dimensions in inches & millimeters)

B+B SmartWorx
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