

# 100 Mbps Ethernet Media Converter

iMcV-LIM series – with LFPT and Configuration Control

**B+B SMARTWORX**

Powered by

**ADVANTECH**

[www.advantech-bb.com](http://www.advantech-bb.com)



## PRODUCT FEATURES

- Available for multi-mode or single-mode fiber
- Double fiber capacity with single-strand fiber versions
- Monitor links and receive vital traffic and health information and notification should problems occur
- Modular, hot-swappable architecture reduces operational costs associated with product installation, upgrades and maintenance
- SNMP manageable
- Convert 100 Mbps copper to 100 Mbps fiber
- LFPT and Config Control

Satisfying today's networking needs while preparing for tomorrow's cabling requirements can make designing and installing the physical layer of networks a daunting task. The decreasing cost of fiber optic cabling and switching equipment makes all-optical LANs the obvious choice when future-proofing network equipment. Replacing legacy equipment and wiring infrastructure is a costly choice. Managed media conversion allows implementation of new technologies on existing networks, while monitoring all connections, to keep networks running and up-to-date.

B+B SmartWorx offers a wide range of SNMP-managed Ethernet copper to fiber media converters, with a choice of fixed rate or rate conversion capabilities. The "iMcV-" modules also include troubleshooting features and LEDs to assist in network diagnostics as well as make isolating cable breaks easier. The 100 Mbps iMcV-Lim also features Link Fault Pass-Through. In addition, the modules provide Configuration Control.

All converters feature an RJ-45 copper port and a fiber port, with a choice of SC or ST connectors, and are hot-swappable.

## ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
<b>iMcV-LIM TX/FX and TX/SX</b>					
850-15611	SX-MM850-ST	1	2 km	1	RJ45
850-15612	SX-MM850-SC	1	2 km	1	RJ45
850-15613	FX-MM1300-ST	1	5 km	1	RJ45
850-15614	FX-MM1300-SC	1	5 km	1	RJ45
850-15618	FX-SM1310/PLUS-SC	1	40 km	1	RJ45
850-15620	FX-SM1310/LONG-SC	1	80 km	1	RJ45
<b>SINGLE STRAND FIBER *</b>					
850-15633	SSFX-SM1310-SC	1	20 km	1	RJ45
850-15634	SSFX-SM1550-SC	1	20 km	1	RJ45
850-15635	SSFX-SM1310/PLUS-SC	1	40 km	1	RJ45
850-15636	SSFX-SM1550/PLUS-SC	1	40 km	1	RJ45

\* These products have single-strand fiber technology. Deploy in pairs or connect another compatible B+B SmartWorx LLC single-strand fiber product.



iView: Webserver Version  
Free Download

All product specifications are subject to change without notice.  
iMcV-LIM\_LFPT & Config Control\_4317ds

# 100 Mbps Ethernet Media Converter

iMcV-LIM series – with LFPT and Configuration Control



## SPECIFICATIONS

TECHNICAL
100Base-TX twisted pair
100Base-FX or SX fiber
AutoCross for MDI/MDIX
Features LinkLoss, FiberAlert & Auto Negotiation
Features Link Fault Pass-Through (LFPT)
Supports Config Control
Connectors: RJ-45 and ST, SC
50/125µm or 62.5/125µm multi-mode fiber
9/125µm single-mode fiber
Install in any iMediaChassis or MediaChassis
Free software support with iView2 Webserver
Support half- and full-duplex operation
Include diagnostic LEDs
Include hot-swappable architecture

MECHANICAL	
Dimensions	10.74 x 2 x 7.05 cm ((4.19H x 0.78W x 2.75D in)
Shipping Weight	0.11 kg (0.30 lbs)
ENVIRONMENTAL	
Operating Temperature	0 to +50 °C (+32 to +122 °F)
Storage Temperature	-25 to +70 °C (-13 to +158 °F)
Operating Humidity	5 to 95% (non-condensing), 0 to 10,000 ft. altitude
REGULATORY APPROVALS	
FCC Class B	
CE	
MEANTIME BEFORE FAILURE (MTBF)	
MTBF	4.5 million hours

## MECHANICAL DIAGRAM

units = inches

