

# 10/100/1000 Mbps Ethernet Media Converter

iMcV-Giga-MediaLinX series

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 including SFP form factor
- Double fiber capacity with single-strand fiber versions
- Modular, hot-swappable architecture reduces operational costs associated with product installation, upgrades and maintenance
- SNMP manageable
- Converts 10/100/1000Mbps copper to Gigabit fiber
- Supports Configuration Control
- Features Link Fault Pass-Through (SFP model)

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.

Advantech 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 iMcV-Giga-MediaLinX features Link Fault Pass-Through. In addition, support for Config Control, included only on the SFP model, is available if using SNMP management.

All converters feature an RJ-45 copper port and a fiber port, with a choice of SC or SFP connectors, and are hot-swappable. An SFP-form factor is also available, providing more flexibility; it supports both 100Mbps and 1 Gigabit fiber SFPs.

Rate converters employ auto negotiation functionality on the twisted pair port for plug-and-play operation, or they can be manually configured for the desired speed and duplex mode.

## ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
<b>iMcV-Giga-MediaLinX TX/SFP with LFPT and Config Control</b>					
856-15410	TX/SFP	1	Various	1	RJ-45
<b>iMcV-Giga-MediaLinX TX/LX or SX 10/100/1000 Mbps with (LFPT) and Config Control</b>					
856-11950	SX-MM850-SC	1	220/550 m	1	RJ45
856-11951	LX-SM1310-SC	1	10 km	1	RJ45
<b>SINGLE STRAND FIBER *</b>					
856-11940	SSLX-SM1310-SC (1310xmt/1550rcv)	1	10 km	1	RJ45
856-11941	SSLX-SM1550-SC (1550xmt/1310rcv)	1	10 km	1	RJ45
856-11943	SSLX-SM1550/PLUS-SC (1550xmt/1310rcv)	1	40 km	1	RJ45

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

\*\* SFP fibers sold separately - available at [www.advantech-bb.com](http://www.advantech-bb.com)



iView: Webserver Version  
Free Download

All product specifications are subject to change without notice.  
iMcV-Giga-MediaLinX\_4317ds

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# 10/100/1000 Mbps Ethernet Media Converter

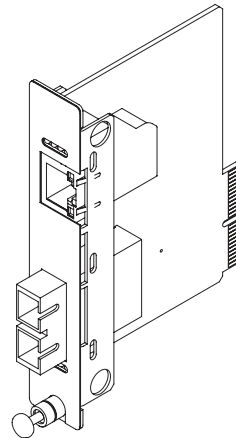
iMcV-Giga-MediaLinX series



## SPECIFICATIONS

TECHNICAL
IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX
IEEE 802.3ab 1000Base-T Twisted Pair
IEEE 802.3z 1000Base-LX or SX Fiber
Supports Packets Up to 1632 Bytes
Connectors: RJ-45 and ST, SC, LC or SFP
IEEE 802.3x Flow Control
AutoCross
Features LinkLoss and FiberAlert
Features Link Fault Pass-Through (LFPT)
Features Auto Negotiation and Selective Advertising
Layer 2 Packet Switching, Store and Forward Operation
Forwarding Rate: 14,881 pps for 10 Mbps; 148,810 pps for 100 Mbps; 1,488,100 pps for 1000 Mbps (Gigabit only)
50/125µm or 62.5/125µm Multi-mode Fiber
9/125µm Single-mode Fiber
Available for Single-strand Fiber
Installs in any iMediaChassis or MediaChassis
Supports GUI-Based iView <sup>2</sup>
Supports Half- and Full-Duplex operation
Includes Diagnostic LEDs
Includes Hot-swappable Architecture

MECHANICAL	
Dimensions	10.74H x 2.0W x 7.05D 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	1.4 million hours



## MECHANICAL DIAGRAM

units = inches

