10/100 Mbps
Ethernet Media Converter

iMcV-MediaLinX series & IE-iMcV-MediaLinX series

B+B SmartWorx
Powered by ADVANTECH
www.advantech-bb.com



PRODUCT FEATURES

- Available for multi-mode or single-mode fiber
- Double fiber capacity with single-strand fiber versions
- IE-iMcV-MediaLinX supports SFP transceivers and extended operating temperatures
- Modular, hot-swappable architecture reduces operational costs associated with product installation, upgrades and maintenance
- SNMP manageable
- Converts 10 or 100 Mbps copper to 100 Mbps fiber
- Supports Config Control
- Features Link Fault Pass-Through (LFPT)

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-MediaLinX and IE-iMcV-MediaLinX also feature Link Fault Pass-Through. In addition, the IE-Module provides support for Config Control if using SNMP management.

All converters feature a 10/100 to 100Mbps copper to fiber media converter, with a choice of SC, ST or SFP (IE-iMcV-MediaLinX only) connectors, and are hot-swappable.

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.

iView 2
DEVICE MANAGEMENT APPLICATION

iView: Webserver Version
Free Download

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
IE-iMcV-MediaLinX TX/SFP 10/100 Mbps with (LFPT) and Config Control * **					
856-18700	SFP	1	Various	1	RJ45
iMcV-MediaLinX TX/FX 10/100 Mbps with (LFPT) and Config Control					
856-15711	MM850-ST	1	2 km	1	RJ45
856-15713	MM1300-ST	1	5 km	1	RJ45
856-15714	MM1300-SC	1	5 km	1	RJ45
856-15717	SM1310/PLUS-ST	1	40 km	1	RJ45
856-15718	SM1310/PLUS-SC	1	40 km	1	RJ45
SINGLE STRAND FIBER *					
856-15731	SSFX-SM1310-SC (1310xmt/1550rcv)	1	20 km	1	RJ45
856-15732	SSFX-SM1550-SC (1550xmt/1310rcv)	1	20 km	1	RJ45
856-15733	SSFX-SM1310/PLUS-SC (1310xmt/1550rcv)	1	40 km	1	RJ45
856-15734	SSFX-SM1550/PLUS-SC (1550xmt/1310rcv)	1	40 km	1	RJ45
856-15735	SSFX-SM1310/LONG-SC (1310xmt/1550rcv)	1	60 km	1	RJ45
856-15736	SSFX-SM1550/LONG-SC (1550xmt/1310rcv)	1	60 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

All product specifications are subject to change without notice.

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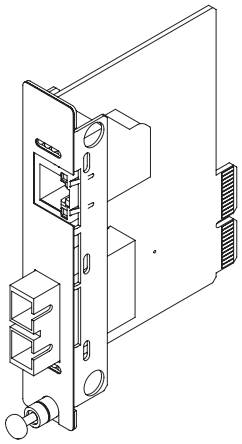
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SPECIFICATIONS

TECHNICAL
IEEE 802.3 10Base-T
IEEE 802.3u 100Base-TX
IEEE 802.3u 100Base-FX or SX fiber
IE-SFP 100/155 Mbps (OC-3) (IE-iMcV-MediaLinX)
Supports Jumbo Packets up to 1916 bytes
Supports Config Control
Connectors: RJ-45 and ST, SC, LC or SFP
IEEE 802.3x Flow Control
AutoCross for MDI/MDIX
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 (Gig 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 iView²
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) -40 to +85 °C (-40 to +185 °F) IE-iMcV-MediaLinX
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	2.6 million hours



MECHANICAL DIAGRAM

units = inches

