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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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10/100/1000 Mbps Ethernet Media Converter

iMcV-Giga-MediaLinX series

B+B SMARTWORX

Powered by

ADVANTECH

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
iMcV-Giga-MediaLinX TX/SFP with LFPT and Config Control					
856-15410	TX/SFP	1	Various	1	RJ-45
iMcV-Giga-MediaLinX TX/LX or SX 10/100/1000 Mbps with (LFPT) and Config Control					
856-11950	SX-MM850-SC	1	220/550 m	1	RJ45
856-11951	LX-SM1310-SC	1	10 km	1	RJ45
SINGLE STRAND FIBER *					
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



iView: Webserver Version
Free Download

All product specifications are subject to change without notice.
iMcV-Giga-MediaLinX_4317ds

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 ²
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

