

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

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 Mbps Ethernet Media Converter

iMcV-MediaLinX series & IE-iMcV-MediaLinX series





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.

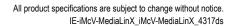
Rate converters employ auto-negotiation functionality on the twisted pair port for plug-and-play operation, or they can be manually configured for the desired speed and duplex mode.

ORDERING INFORMATION

ORDERING IN ORMATION					
MODEL	FIRED	FIBER	DANOE	ETHERNET	
NUMBER	FIBER	PORTS		PORTS	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

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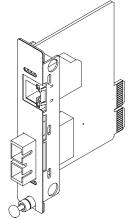
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SPECIFICATIONS

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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 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) -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

