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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 Mbps Ethernet Media Converter

iMcV-MediaLinX & IE-iMcV-MediaLinX



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 Configuration 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.

B&B Electronics 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 features Link Fault Pass-Through. In addition, the IE-Module provides support for Config Control if using SNMP management.

All converters feature an RJ-45 copper port and a fiber port, 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: Windows 2000/XP/Vista/Win7

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
856-15712	MM850-SC	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
856-15719	SM1310/LONG-ST	1	80 km	1	RJ45
856-15720	SM1310/LONG-SC	1	80 km	1	RJ45
856-15723	SM1550/LONG-SC	1	80 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 B&B IMC LLC single-strand fiber product.

** SFP Fiber sold separately

iMcV-MediaLinX 10/100 Mbps also available in CWDM Fiber. Call for details.

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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 iView ²
Supports Half- and Full-Duplex operation
Includes diagnostic LEDs
Includes hot-swappable architecture

MECHANICAL

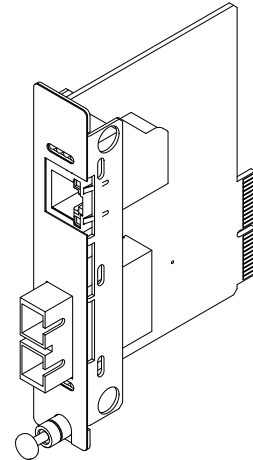
Dimensions	4.19"H x 0.78"W x 2.75"D (10.74 x 2 x 7.05 cm)
Shipping Weight	0.30 lbs (.11 kg)

ENVIRONMENTAL

Operating Temperature:	+32° to +122° F (0° to +50° C) -40° to +185° F (-40° to +85° C) IE-iMcV-MediaLinX
Storage Temperature:	-13° to +158° F (-25° to +70° C)
Operating Humidity	5% to 95% (non-condensing), 0 – 10,000 ft. altitude

REGULATORY APPROVALS

FCC Class B
CE



MECHANICAL DIAGRAM

(dimensions in inches)

