1000Mbps Ethernet Media Converter

iMcV-Gigabit & IE-iMcV-Gigabit

PRODUCT FEATURES

- Available for multi-mode or single-mode fiber
- Double fiber capacity with single-strand fiber versions
- Monitor links and receive vital traffic and health information and notification should problems occur
- Modular, hot-swappable architecture reduces operational costs associated with product installation, upgrades and maintenance
- SNMP Manageable
- Converts 1000 Mbps Copper to 1000 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 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. Configuration Control, a feature to use under SNMP is available.

All converters feature an RJ-45 copper port and a fiber port with SC connectors, and hot-swappable.

iView: Windows 2000/XP/Vista/Win7

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
IE-iMcV-Gigabit TX/SFP 1000 Mbps with Link Fault Pass-Through (LFPT) and Config Control **					
850-18510	SFP	1	Various	1	RJ45
iMcV-Gigabit TX/SX or TX/LX 1000 Mbps with (LFPT) and Config Control					
850-15511	SX-MM850-SC	1	220/550 m	1	RJ45
850-15512	LX-SM1310-SC	1	10 km	1	RJ45
850-15513	LX-SM1310/PLUS-SC	1	40 km	1	RJ45
850-15514	LX-SM1550/LONG-SC	1	80 km	1	RJ45
850-15515	LX-SM1550/XLONG-SC	1	100 km	1	RJ45
SINGLE STRAND FIBER *					
850-15521	SSLX-SM1310-SC (1310xmt/1550rcv)	1	10 km	1	RJ45
850-15522	SSLX-SM1550-SC (1550xmt/1310rcv)	1	10 km	1	RJ45
850-15523	SSBX-SM1310-SC (1310xmt/1490rcv)	1	10 km	1	RJ45
850-15524	SSBX-SM1490-SC (1490xmt/1310rcv)	1	10 km	1	RJ45
850-15525	SSLX-SM1310/PLUS-SC (1310xmt/1550rcv)	1	40 km	1	RJ45
850-15526	SSLX-SM1550/PLUS-SC (1550xmt/1310rcv)	1	40 km	1	RJ45
850-15527	SSBX-SM1310/PLUS-SC (1310xmt/1490rcv)	1	30 km	1	RJ45
850-15528	SSBX-SM1490/PLUS-SC (1490xmt/1310rcv)	1	30 km	1	RJ45
850-15529	SSLX-SM1490/LONG-SC (1490xmt/1550rcv)	1	70 km	1	RJ45
850-15530	SSLX-SM1550/LONG-SC (1550xmt/1490rcv)	1	70 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-Gigabit Mbps also available in CWDM Fiber. Call for details.

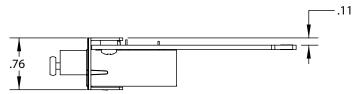# 1000Mbps Ethernet Media Converter

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SPECIFICATIONS

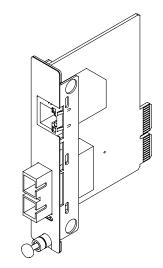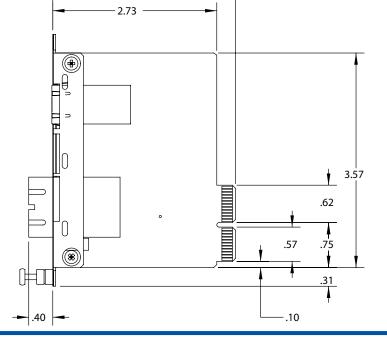| TECHNICAL |
| --- |
| 1000Base-T twisted pair |
| 1000Base-LX or SX fiber |
| AutoCross for MDI/MDIX |
| Features FiberAlert, LinkLoss & Link Fault Pass-Through |
| Supports Config Control |
| IE-SFP 1250 Mbps/1.25 Gbps (IE-iMcV-Gigabit) |
| Connectors: RJ-45 and ST, SC or SFP |
| 50/125µm or 62.5/125µm multi-mode fiber |
| 9/125µm single-mode fiber |
| Install in any iMediaChassis or MediaChassis |
| Support GUI-Based iView[2] |
| Support Half- and Full-Duplex operation |
| Include diagnostic LEDs |
| Include 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-Gigabit;
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 A	
CE	

MECHANICAL DIAGRAM

(dimensions in inches)

B&B ELECTRONICS

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