1000 Mbps Ethernet Media Converter

IE-iMcV-Gigabit & iMcV-Gigabit series

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 SmartWorx offers a range of SNMP-managed Ethernet copper to fiber media converters, with a choice of fixed rate or rate conversion capabilities. The "iMcV-" series 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.
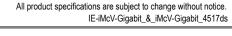
All converters feature Gigabit copper to fiber conversion with SC connectors, and are hot-swappable.

iView: Webserver Version
Free Download

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
850-15515	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
850-15525	SSLX-SM1310/PLUS-SC (1310xmt/1550rcv)	1	40 km	1	RJ45
850-15526	SSLX-SM1550/PLUS-SC (1550xmt/1310rcv)	1	40 km	1	RJ45
850-15529	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 SmartWorx single-strand fiber product.

** SFP fibers sold separately - available at www.advantech-bb.com

All product specifications are subject to change without notice.
IE-iMcV-Gigabit_&_iMcV-Gigabit_4517ds

B+B SmartWorx
Powered by **ADVANTECH**

orders@advantech-bb.com
support@advantech-bb.com

/ Corporate Headquarters: 707 Dayton Road, PO Box 1040 Ottawa, IL 61350 USA 815-433-5100 Fax 433-5104
European Office: Westlink Commercial Park, Oranmore Co. Galway Ireland +353 91 792444 Fax +353 91 792445

1000 Mbps Ethernet Media Converter

IE-iMcV-Gigabit & iMcV-Gigabit series

SPECIFICATIONS

TECHNICAL
1000Base-T twisted pair
1000Base-LX or SX fiber
AutoCross
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 iView²
Support half- and full-duplex operation
Include diagnostic LEDs
Include 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 lb)
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 to 10,000 ft. altitude
REGULATORY APPROVALS	
FCC Class A	
CE	
MEANTIME BEFORE FAILURE (MTBF)	
MTBF	1.9 million horus

MECHANICAL DIAGRAM

units = inches

B+B SmartWorx
Powered by **ADVANTECH**

orders@advantech-bb.com
support@advantech-bb.com

Corporate Headquarters: 707 Dayton Road, PO Box 1040 Ottawa, IL 61350 USA 815-433-5100 Fax 433-5104
European Office: Westlink Commercial Park, Oranmore Co. Galway Ireland +353 91 792444 Fax +353 91 792445