10/100/1000 Mbps Managed Optical Demarcation Module

iMcV-Giga-FiberLinX-III series

B+B SmartWorx

Powered by **ADVANTECH**

www.advantech-bb.com

PRODUCT FEATURES

- Single-wide module allows maximum use of slots in multi-port chassis
- 3 modes of operation to ease the use of installation
- SFP port model supports both copper and fiber SFPs
- Supports Link Fault Pass Through (LFPT)
- Offers up to 64 VLANs
- Free SNMP management software

The iMcV-Giga-FiberLinX-III intelligent media converter connects a Host/ Remote Ethernet network over a fiber optic or CAT 5 copper connection. It combines 10/100/1000 Mbps to Gigabit fiber media conversion with an advanced feature set for network management and troubleshooting, including OAM (Operations, Administration and Maintenance), Extra-Tagging and EtherType control functionality. With the iMcV-Giga-FiberLinX-III series, administrators can observe the end-points over the fiber segment between them as a single management entity. Bandwidth scalability and support for MIBs II makes this modular device a versatile Gigabit solution, now available as a single-wide module.

Free management software, iView2, allows the customer to perform remote configuration and alerts administrators to any potential problems on the long-haul fiber run, provides vital information on link condition and reports data traffic statistics. In addition to the iMcV-Giga-FiberLinX-III's support for Host/Remote environments, the product also has built-in support for the Unified Management Agent (UMA). With UMA, the central location can manage all Host/Remote pairs installed in an iMediaChassis with the single IP address of the chassis.

The iMcV-Giga-FiberLinX-III is available in fixed-fiber port models or an SFP port for fiber or copper for more flexibility. The iMcV-Giga-FiberLinX-III SFP requires one or two MSA-compliant fiber optic SFP modules (sold separately) to operate; a 100Mbps or Gigabit fiber SFP can be installed. Copper SFPs are supported.

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
iMcV-Giga-FiberLinX-III TX/SFP					
856-14201	TX/SFP*	1	Various	2	RJ45
iMcV-Giga-FiberLinX-III					
856-14205	SX-MM850-SC	1	220/550 m	2	RJ45
SINGLE STRAND FIBER**					
856-14220	SSLX-SM1310-SC (1550 rcv)	1	15 km	2	RJ45
856-14221	SSLX-SM1550-SC (1310 rcv)	1	15 km	2	RJ45
856-14224	SSLX-SM1310/PLUS-SC (1550 rcv)	1	40 km	2	RJ45
856-14225	SSLX-SM1550/PLUS-SC (1310 rcv)	1	40 km	2	RJ45

* SFPs sold separately - available at www.advantech-bb.com

** These products have single-strand fiber technology. Deploy in pairs or connect another compatible B+B SmartWorx single-strand fiber product.

iView[2]

DEVICE MANAGEMENT APPLICATION

iView: Webserver Version
Free Download

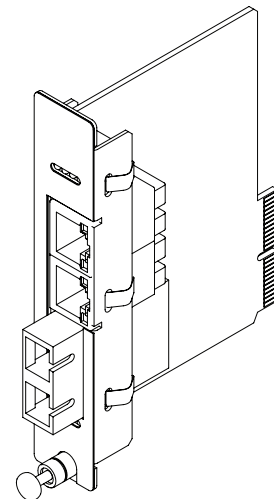# 10/100/1000 Mbps Managed Optical Demarcation Module

iMcV-Giga-FiberLinX-III series

SPECIFICATIONS

GENERAL
Supports Gigabit copper and fiber SFPs
Supports Fast Ethernet fiber SFPs
Preserves complete end-to-end fiber connection integrity
Supports Extra Tagging (Q-in-Q)
Supports 802.3ah OAM (Operation, Administration & Management)
Bi-directional bandwidth control
Read/write IEEE 802.1Q VLAN-tags
QoS: IEEE 802.1p-based packet prioritization (2 queues [high/low] with 8 levels of priority)
Layer 2 packet switching, store and forward operation
Forwarding Rate: 14,881pps/10 Mbps; 148,810pps/100 Mbps; 1,488,100pps/1000 Mbps
Features Auto Negotiation and Link Fault Pass Through (LFPT)
Supports up to 64 VLANs operation
MTU: Supports over-sized (Jumbo) packets up to 10240 bytes

SECURITY
Password Control
Multiple Access Levels: user assigned accounts & access levels

MANAGEMENT
SNMP V1 and V2c compatible
Includes GUI-based iView² software for remote management (WIN and WebServer versions)
Monitors far-end (remote) status without a physical presence or separate connection
IEEE 802.3x flow control
Includes DHCP and TFTP clients
Supports Telnet
Includes loopback test modes (MAC swap)
Includes Link Fault Pass Through (LFPT)
Supports Unified Management Agent (UMA)
Includes status LEDs

ETHERNET PROTOCOLS SUPPORTED
IEEE 802.3ab 1000Base-T twisted-pair
IEEE 802.3z 1000Base-X fiber
IEEE 802.3x Flow Control
IEEE 802.3i 10Base-T twisted-pair
IEEE 802.3u 100Base-TX twisted-pair

MECHANICAL	
Dimensions	Standard single-slot chassis module
Shipping Weight	0.136078 kg (0.3 lb)
POWER CONSUMPTION	
731mA at 5V	
ENVIRONMENTAL	
Operating Temperature	0 to +50 °C (+32 to +122 °F)
Storage Temperature	-25 to +70 °C (-13 to +158 °F)
Humidity:	5 to 95% (non-condensing)
REGULATORY APPROVALS	
FCC Class A	
UL/cUL, CSA, CE	

MECHANICAL DIAGRAM
units = inches