10/100/1000 Mbps Managed Optical Demarcation Module
iMcV-Giga-FiberLinX-III

PRODUCT FEATURES

- Single wide module, allowing maximum use of slots in multi-port chassis
- 3 mode of Operation, to ease the use of installation
- SFP port model supports both copper and fiber SFPs
- Backwards compatible with the iMcV-Giga-FiberLinX-III
- Offers up to 64 VLANs

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 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, 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.

iMcV-Giga-FiberLinX-III allows for 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.

Optional single- or dual-SFP port versions or all copper (RJ-45) port versions are also available for complete network flexibility. The iMcV-Giga--FiberLinX-III SFP requires one or two MSA-compliant fiber optic SFP modules (sold separately) to operate. [Copper SFPs are not supported.]

iView²
DEVICE MANAGEMENT APPLICATION

iView: Windows 2000/XP/Vista/Win7

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
856-14206	LX-SM1310-SC	1	10 km	2	RJ45
856-14207	LX-SM1310/PLUS-SC	1	40 km	2	RJ45
856-14208	LX-SM1550/LONG-SC	1	80 km	2	RJ45
856-14209	LX-SM1550/XLONG-SC	1	100 km	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
856-14222	SSBX-SM1310-SC (1490 rcv)	1	10 km	2	RJ45
856-14223	SSBX-SM1490-SC (1310 rcv)	1	10 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
856-14226	SSBX-SM1310-SC (1490 rcv)	1	30 km	2	RJ45
856-14227	SSBX-SM1490-SC (1310 rcv)	1	30 km	2	RJ45
856-14228	SSLX-SM1490/LONG-SC (1550 rcv)	1	70 km	2	RJ45
856-14229	SSLX-SM1550/LONG-SC (1490 rcv)	1	70 km	2	RJ45

* These products have single-strand fiber technology. Deploy in pairs or connect another compatible B&B IMC LLC single-strand fiber product.

iMcV-Giga-FiberLinX-III also available in CWDM Fiber. Call for details.

SPECIFICATIONS

GENERAL

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: 14,881 pps for 10 Mbps; 148,810 pps for 100 Mbps; 1,488,100 pps for 1000 Mbps

Features Auto Negotiation and Selective Advertising

Supports up to 64 VLANs operation

MTU: Supports over-sized (Jumbo) packets up to 10240 bytes

SECURITY

Password Control

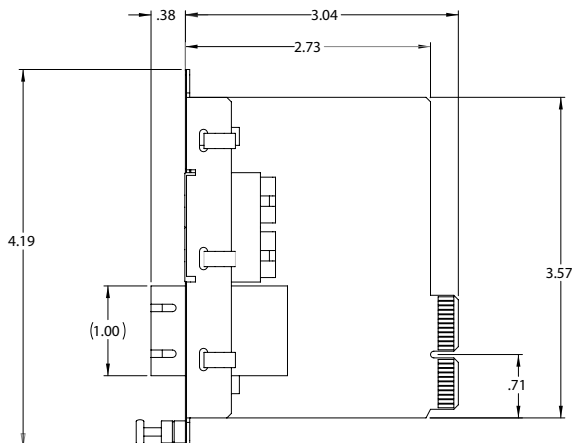Multiple Access Levels: User Assigned Accounts & Access Levels

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

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	0.3 lbs (0.136078 kg)

POWER CONSUMPTION

731mA at 5V

ENVIRONMENTAL

Operating Temperature:	+32° to +122° F (0° to +50° C)
Storage Temperature:	-13° to +158° F (-25° to +70° C)
Humidity:	5% - 95% (non-condensing)

REGULATORY APPROVALS

FCC Class A

UL/cUL, CSA, CE

MECHANICAL DIAGRAM

(dimensions in inches)

B&B ELECTRONICS

orders@bb-elec.com
support@bb-elec.com

International Office: 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