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Datasheet of 856-14205 - IMCV GIGA FIBERLINX-III TX/SX

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# 10/100/1000 Mbps Managed Optical Demarcation Module

## iMcV-Giga-FiberLinX-III



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.]



iView: Windows 2000/XP/Vista/Win7

### 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

### ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
<b>iMcV-Giga-FiberLinX-III TX/SFP</b>					
856-14201	TX/SFP	1	Various	2	RJ45
<b>iMcV-Giga-FiberLinX-III</b>					
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
<b>SINGLE STRAND FIBER *</b>					
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-SM1490/PLUS-SC (1310 rcv)	1	40 km	2	RJ45
856-14226	SSLX-SM1310/PLUS-SC (1550 rcv)	1	30 km	2	RJ45
856-14227	SSLX-SM1550/PLUS-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.**

# 10/100/1000 Mbps Managed Optical Demarcation Module

iMcV-Giga-FiberLinX-III



## SPECIFICATIONS

### GENERAL

- Preserves complete end-to-end fiber connection integrity
- Supports Extra Tagging (Q-in-Q)
- Supports 802.3ah OAM (Operation, Administration & Management)
- Support 802.1ag
- 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 iView<sup>2</sup> 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

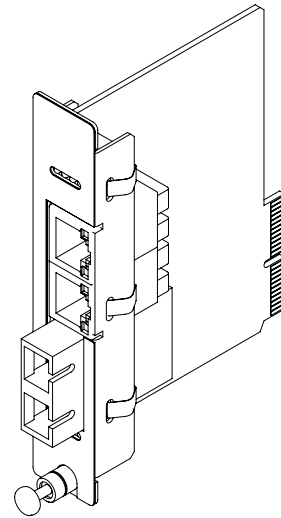
731mA at 5V

### 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)

