B&B ELECTRONICS

10/100 Mbps Managed Optical Demarcation Module

iMcV-FiberLinX-II

PRODUCT FEATURES

- Q-in-Q Extra/Tagging
- SNMP Manageable
- OAM 802.3ag/ah (Operation, Administration & Management)
- Per-port bi-directional Bandwidth control
- Features powerful LinkLoss, FiberAlert and loopback troubleshooting
- All management traffic remains isolated from the remote LAN
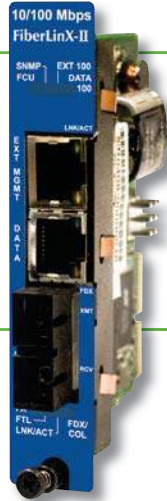
The iMcV-FiberLinX-II intelligent media converter connects a Host/Remote Ethernet network over a fiber optic or CAT 5 copper connection. It combines media conversion with an advanced-feature set for network management and troubleshooting, including OAM (Operations, Administration and Maintenance), Extra-Tagging and EtherType control functionality. With the iMcV-FiberLinX-II, 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 cost-effective solution.

iMcV-FiberLinX-II 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-FiberLinX-II'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-FiberLinX-II SFP requires one or two MSA-compliant fiber optic SFP modules (sold separately) to operate. [Copper SFPs are not supported.]

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
iMcV-FiberLinX-II TX/SFP, TX/TX					
856-14500	SFP	1	Various	2	RJ45
856-14501	SFP	2	Various	1	RJ45
856-14010			100 m	3	RJ45
iMcV-FiberLinX-II TX/FX					
856-14011	MM1300-ST	1	5 km	2	RJ45
856-14012	MM1300-SC	1	5 km	2	RJ45
856-14015	SM1310/PLUS-ST	1	40 km	2	RJ45
856-14016	SM1310/PLUS-SC	1	40 km	2	RJ45
856-14017	SM1310/LONG-ST	1	80 km	2	RJ45
856-14018	SM1310/LONG-SC	1	80 km	2	RJ45
856-14021	SM1550/LONG-SC	1	80 km	2	RJ45
856-14022	SM1550/XLONG-SC	1	100 km	2	RJ45
SINGLE STRAND FIBER *					
856-14039	SSFX-MM1310-SC	1	2 km	2	RJ45
856-14040	SSFX-MM1550-SC	1	2 km	2	RJ45
856-14043	SSFX-SM1310-SC	1	20 km	2	RJ45
856-14044	SSFX-SM1550-SC	1	20 km	2	RJ45
856-14045	SSFX-SM1310/PLUS-SC	1	40 km	2	RJ45
856-14046	SSFX-SM1550/PLUS-SC	1	40 km	2	RJ45
856-14047	SSFX-SM1310/LONG-SC	1	60 km	2	RJ45
856-14048	SSFX-SM1550/LONG-SC	1	60 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-FiberLinX-II also available in CWDM Fiber. Call for details.

SPECIFICATIONS

GENERAL

Preserves complete end-to-end fiber connection integrity

Broadcast Storm Protection

Supports Extra Tagging (Q-in-Q) and selectable EtherTypes

Bi-directional bandwidth control

Supports 802.3ag/ah OAM (Operation, Administration & Management)

ITU-T Y.1731 End-to-end service

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

AutoCross for MDI/MDIX

Features Auto Negotiation and Selective Advertising

Supports Half and Full-Duplex operation

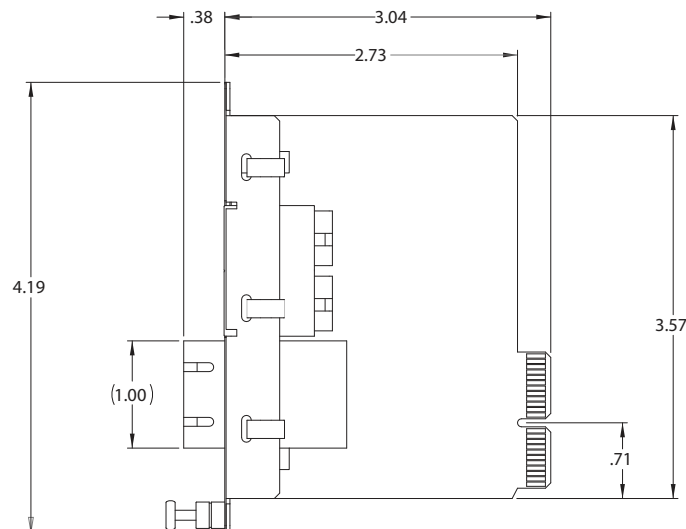MTU: Supports over-sized (Jumbo) packets up to 1916 bytes per packet

MANAGEMENT

SNMP V1 and V2c compatible

Includes GUI-based iView² software for remote management and upgrades

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 LinkLoss and FiberAlert

Supports the Unified Management Agent (UMA)

ETHERNET PROTOCOLS SUPPORTED

IEEE 802.3i 10Base-T twisted pair

IEEE 802.3u 100Base-TX twisted pair

IEEE 802.3u 100Base-FX or SX fiber

MECHANICAL

Dimensions	Standard single-slot chassis module
Shipping Weight	4 oz.

POWER CONSUMPTION

850mA at 3.3V

ENVIRONMENTAL

Operating Temperature	+32° to +122° F (0° to +50° C)
Storage Temperature	0° to +160° F (-20° to +70° C)
Operating Humidity	5 to 95% Non-condensing

REGULATORY APPROVALS

FCC Class A

UL/cUL, CE, CSA, CB

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