

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: Webserver Version
Free Download

All product specifications are subject to change without notice.
iMcV-Giga-FiberLinX-III_4517ds

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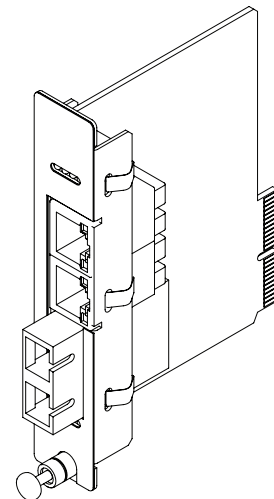
iMcV-Giga-FiberLinX-III series



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 iView ² 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

