10/100 Mbps Managed Optical Demarcation Module

iMcV-FiberLinX-II series



www.advantech-bb.com



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.

Free SNMP software, iView2, 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.

An optional SFP port model supporting fiber SFPs offers more complete network flexibility. MSA-compliant fiber Fast Ethernet can be installed, for single mode, multi mode and single strand fiber types. (Copper SFPs are not supported.)

ORDERING INFORMATION

| ORDERING IN ORMATION | | | | | | |
|---------------------------------|-------------------------|----------------|---------|----------------|--------------------|--|
| MODEL NUMBER | FIBER | FIBER PORTS | RANGE | ETHERNET PORTS | ETHERNET CONNECTOR | |
| iMcV-FiberLinX-II TX/SFP, TX/TX | | | | | | |
| 856-14500 | SFP* | 1 | Various | 2 | RJ45 | |
| iMcV-FiberLinX-II TX/FX | | | | | | |
| 856-14012 | MM1300-SC | 1 | 5 km | 2 | RJ45 | |
| 856-14016 | SM1310/PLUS-SC | 1 | 40 km | 2 | RJ45 | |
| 856-14018 | SM1310/LONG-SC | 1 | 80 km | 2 | RJ45 | |
| SINGLE STRAND FIBER ** | | | | | | |
| 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 | |
| 856-14048 | SSFX-SM1550/ LONG-SC | 1 | 60 km | 2 | RJ45 | |

^{**} SFP fibers 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.

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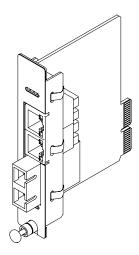
iMcV-FiberLinX-II series



SPECIFICATIONS

| of Edit Idations |
|---|
| GENERAL |
| Preserves complete end-to-end fiber connection integrity |
| Broadcast Storm Protection |
| Supports extra ragging (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 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, FiberAlert, and Link Fault Pass Through |
| 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 | 113.4 gm (4.0 oz) | | | | |
| POWER CONSUMPTION | | | | | |
| 850mA at 3.3V | | | | | |
| ENVIRONMENTAL | | | | | |
| Operating Temperature | 0 to +50 °C (+32 to +122 °F) | | | | |
| Storage Temperature | -20 to +70 °C (0 to +160 °F) | | | | |
| Operating Humidity | 5 to 95% Non-condensing | | | | |
| REGULATORY APPROVALS | | | | | |
| FCC Class A | | | | | |
| UL/cUL, CE, CSA, CB | | | | | |
| MEANTIME BEFORE FAILURE | | | | | |
| MTBF | 1.6 million hours | | | | |



MECHANICAL DIAGRAM

units = inches

