



10/100 Mbps Ethernet Media Converter

iMcV-MediaLinX & IE-iMcV-MediaLinX



PRODUCT FEATURES

- Available for multi-mode or single-mode fiber
- Double fiber capacity with single-strand fiber versions
- IE-iMcV-MediaLinX supports SFP transceivers and extended operating temperatures
- Modular, hot-swappable architecture reduces operational costs associated with product installation, upgrades and maintenance
- SNMP Manageable
- Converts 10 or 100 Mbps Copper to 100 Mbps Fiber
- Supports Configuration Control
- Features Link Fault Pass-Through (LFPT)

Satisfying today's networking needs while preparing for tomorrow's cabling requirements can make designing and installing the physical layer of networks a daunting task. The decreasing cost of fiber optic cabling and switching equipment makes all-optical LANs the obvious choice when future-proofing network equipment. Replacing legacy equipment and wiring infrastructure is a costly choice. Managed media conversion allows implementation of new technologies on existing networks, while monitoring all connections, to keep networks running and up-to-date.

B&B Electronics offers a wide range of SNMP-managed Ethernet copper to fiber media converters, with a choice of fixed rate or rate conversion capabilities. The "iMcV-" modules also include troubleshooting features and LEDs to assist in network diagnostics as well as make isolating cable breaks easier. The iMcV-MediaLinX and IE-iMcV-MediaLinX also features Link Fault Pass-Through. In addition, the IE-Module provides support for Config Control if using SNMP management.

All converters feature an RJ-45 copper port and a fiber port, with a choice of SC, ST or SFP (IE-iMcV-MediaLinX only) connectors, and are hot-swappable.

Rate converters employ Auto Negotiation functionality on the twisted pair port for plug-and-play operation, or they can be manually configured for the desired speed and duplex mode.



iView: Windows 2000/XP/Vista/Win7

ORDERING INFORMATION

| MODEL NUMBER | FIBER | FIBER PORTS | RANGE | ETHERNET PORTS | ETHERNET CONNECTOR |
|---|---------------------------------------|-------------|---------|----------------|--------------------|
| IE-iMcV-MediaLinX TX/SFP 10/100 Mbps with (LFPT) and Config Control * ** | | | | | |
| 856-18700 | SFP | 1 | Various | 1 | RJ45 |
| iMcV-MediaLinX TX/FX 10/100 Mbps with (LFPT) and Config Control | | | | | |
| 856-15711 | MM850-ST | 1 | 2 km | 1 | RJ45 |
| 856-15712 | MM850-SC | 1 | 2 km | 1 | RJ45 |
| 856-15713 | MM1300-ST | 1 | 5 km | 1 | RJ45 |
| 856-15714 | MM1300-SC | 1 | 5 km | 1 | RJ45 |
| 856-15717 | SM1310/PLUS-ST | 1 | 40 km | 1 | RJ45 |
| 856-15718 | SM1310/PLUS-SC | 1 | 40 km | 1 | RJ45 |
| 856-15719 | SM1310/LONG-ST | 1 | 80 km | 1 | RJ45 |
| 856-15720 | SM1310/LONG-SC | 1 | 80 km | 1 | RJ45 |
| 856-15723 | SM1550/LONG-SC | 1 | 80 km | 1 | RJ45 |
| SINGLE STRAND FIBER * | | | | | |
| 856-15731 | SSFX-SM1310-SC (1310xmt/1550rcv) | 1 | 20 km | 1 | RJ45 |
| 856-15732 | SSFX-SM1550-SC (1550xmt/1310rcv) | 1 | 20 km | 1 | RJ45 |
| 856-15733 | SSFX-SM1310/PLUS-SC (1310xmt/1550rcv) | 1 | 40 km | 1 | RJ45 |
| 856-15734 | SSFX-SM1550/PLUS-SC (1550xmt/1310rcv) | 1 | 40 km | 1 | RJ45 |
| 856-15735 | SSFX-SM1310/LONG-SC (1310xmt/1550rcv) | 1 | 60 km | 1 | RJ45 |
| 856-15736 | SSFX-SM1550/LONG-SC (1550xmt/1310rcv) | 1 | 60 km | 1 | RJ45 |

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

** SFP Fiber sold separately

iMcV-MediaLinX 10/100 Mbps also available in CWDM Fiber. Call for details.

10/100 Mbps Ethernet Media Converter

iMcV-MediaLinX & IE-iMcV-MediaLinX



SPECIFICATIONS

TECHNICAL

| |
|---|
| IEEE 802.3 10Base-T |
| IEEE 802.3u 100Base-TX |
| IEEE 802.3u 100Base-FX or SX fiber |
| IE-SFP 100/155 Mbps (OC-3) (IE-iMcV-MediaLinX) |
| Supports jumbo packets up to 1916 bytes |
| Supports Config Control |
| Connectors: RJ-45 and ST, SC, LC or SFP |
| IEEE 802.3x Flow Control |
| AutoCross for MDI/MDIX |
| Features LinkLoss and FiberAlert |
| Features Link Fault Pass-Through (LFPT) |
| Features Auto Negotiation and Selective Advertising |
| 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 (Gig only) |
| 50/125µm or 62.5/125µm multi-mode fiber |
| 9/125µm single-mode fiber |
| Available for single-strand fiber |
| Installs in any iMediaChassis or MediaChassis |
| Supports GUI-Based iView ² |
| Supports Half- and Full-Duplex operation |
| Includes diagnostic LEDs |
| Includes hot-swappable architecture |

MECHANICAL

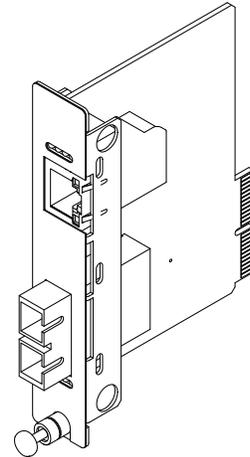
| | |
|-----------------|---|
| Dimensions | 4.19"H x 0.78"W x 2.75"D (10.74 x 2 x 7.05 cm) |
| Shipping Weight | 0.30 lbs (.11 kg) |

ENVIRONMENTAL

| | |
|------------------------|--|
| Operating Temperature: | +32° to +122° F (0° to +50° C) -40° to +185° F (-40° to +85° C) IE-iMcV-MediaLinX |
| Storage Temperature: | -13° to +158° F (-25° to +70° C) |
| Operating Humidity | 5% to 95% (non-condensing), 0 – 10,000 ft. altitude |

REGULATORY APPROVALS

FCC Class B
CE



MECHANICAL DIAGRAM

(dimensions in inches)

