

Protocol-Independent, SNMP-Manageable Fiber Mode Conversion Modules

iMcV-S2MM & iMcV-S2SM series

B+B SMARTWORX

Powered by

ADVANTECH

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PRODUCT FEATURES

- Supports protocol-independent operation
- Converts multi-mode to single-mode fiber
- Converts single mode to single mode fiber
- Supports 10 Mbps Ethernet to 155 Mbps or 1.25 Gbps Gigabit Ethernet

In today's dynamic networks, changing requirements are a fact of life. The multi-mode fiber products and cabling which were the most cost-effective and sound choice for your network yesterday may no longer give you the flexibility you require when adding remote offices today. Easily overcome the distance limitations inherent to multi-mode fiber by converting to single-mode fiber. Fiber mode converters from B+B SmartWorx are the solution.

Extend the reach of your network without replacing multi-mode fiber equipment. As an economical alternative to using a switch with single-mode fiber ports, simply install a B+B SmartWorx fiber mode converter into your multi-mode fiber network. This enables you to easily connect to single-mode cabling and achieve distances up to 80 km (50 mi). These fiber mode converters also give you the flexibility to add single-mode fiber links only where needed. The iMcV-S2MM and iMcV-S2MM series fiber mode conversion modules:

- Convert multi-mode to single-mode fiber
- Support 10 Mbps Ethernet to 155 Mbps or 1.25 Gbps Gigabit Ethernet
- Convert single-mode fiber to single-mode fiber

Hot-swappable fiber mode conversion modules significantly reduce operation costs by allowing other modules within the same chassis to remain up and running during product upgrades, maintenance and troubleshooting.

ORDERING INFORMATION

| MODEL NUMBER | DESCRIPTION PORT 1 | DISTANCE PORT 1 | DESCRIPTION PORT 2 | DISTANCE PORT 2 |
|--|----------------------------------|-----------------|--------------------|-----------------|
| iMcV-S2MM/155 – Single-mode to Multi-mode | | | | |
| 850-14530 | SM1310/PLUS-SC | 40 km | MM1300-SC | 5 km |
| 850-14555 | SM1550/LONG-SC | 80 km | MM1300-SC | 5 km |
| 850-14570 | SM1310/PLUS-SC | 40 km | MM850-SC | 2 km |
| Single-Strand Fiber | | | | |
| 850-14532 | SSFx-SM1310-SC (1310xmt/1550rcv) | 20 km | MM1300-SC | 5 km |
| 850-14533 | SSFx-SM1550-SC (1550xmt/1310rcv) | 20 km | MM1300-SC | 5 km |

| MODEL NUMBER | DESCRIPTION PORT 1 | DISTANCE PORT 1 | DESCRIPTION PORT 2 | DISTANCE PORT 2 |
|---|---------------------------------------|-----------------|--------------------|-----------------|
| iMcV-S2MM/1250 – Single-mode to Multi-mode | | | | |
| 859-14799 | LX-SM1310-SC | 15 km | SX-MM850-SC | 220/550 m |
| 859-14800 | LX-SM1310/PLUS-SC | 40 km | SX-MM850-SC | 220/550 m |
| 859-14801 | LX-SM1550/LONG-SC | 80 km | SX-MM850-SC | 220/550 m |
| Single-Strand Fiber | | | | |
| 859-14806 | SSLX-SM1310-SC (1310xmt/1550rcv) | 15 km | SX-MM850-SC | 220/550 m |
| 859-14807 | SSLX-SM1550-SC (1550xmt/1310rcv) | 15 km | SX-MM850-SC | 220/550 m |
| 859-14808 | SSLX-SM1310/PLUS-SC (1310xmt/1550rcv) | 40 km | SX-MM850-SC | 220/550 m |
| 859-14809 | SSLX-SM1550/PLUS-SC (1550xmt/1310rcv) | 40 km | SX-MM850-SC | 220/550 m |

| MODEL NUMBER | DESCRIPTION PORT 1 | DISTANCE PORT 1 | DESCRIPTION PORT 2 | DISTANCE PORT 2 |
|--|---------------------------------------|-----------------|--------------------|-----------------|
| iMcV-S2SM/1250 – Single-mode to Single-mode | | | | |
| Single-Strand Fiber | | | | |
| 859-14822 | SSLX-SM1310/PLUS-SC (1310xmt/1550rcv) | 40 km | LX-SM1310/PLUS-SC | 40 km |
| 859-14823 | SSLX-SM1550/PLUS-SC (1550xmt/1310rcv) | 40 km | LX-SM1310/PLUS-SC | 40 km |



iView: Webserver Version
Free Download

All product specifications are subject to change without notice.

iMcV-S2SM & iMcV-S2MM_4517ds

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iMcV-S2MM & iMcV-S2SM series



SPECIFICATIONS

| TECHNICAL | |
|---|--|
| Includes protocol-independent operation | |
| Converts between dissimilar fiber modes and wavelengths – single-mode to multi-mode, single-mode to single-mode | |
| Ethernet, Fast Ethernet | |
| OC-12, Gigabit Ethernet and FibreChannel | |
| 50/125µm or 62.5/125µm multi-mode fiber | |
| 9/125µm single-mode fiber | |
| Available for single-strand fiber | |
| Connectors: ST, SC or MT-RJ | |
| Installs in any iMediaChassis or MediaChassis (available from B+B SmartWorx) | |
| Supports GUI-Based iView ² | |
| Includes diagnostic LEDs | |
| Includes hot-swappable architecture | |
| Includes diagnostic LEDs | |
| MTU – supports up to 10000 bytes | |

| MECHANICAL | |
|--------------------------|---|
| Dimensions | 10.74H x 2.0W x 7.05D cm (4.19H x 0.78W x 2.75D in) |
| Shipping Weight | 0.11 kg (0.30 lbs) |
| ENVIRONMENTAL | |
| Operating Temperature: | 0 to +50 °C (+32 to +122 °F) |
| Storage Temperature: | -25 to +70 °C (-13 to +158 °F) |
| Operating Humidity | 5% to 95% (non-condensing), 0 to 10,000 ft. altitude |
| REGULATORY APPROVALS | |
| FCC Class A | |
| UL/cUL, CSA, CE | |
| MEAN-TIME BEFORE FAILURE | |
| MTBF | 4.9 million hours |

MECHANICAL DIAGRAM

units = inches

