

# Protocol-Independent, SNMP-Manageable Fiber Mode Conversion Modules

iMcV-S2MM & iMcV-S2SM series

**B+B SMARTWORX**

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**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
<b>iMcV-S2MM/155 – Single-mode to Multi-mode</b>				
<b>850-14530</b>	SM1310/PLUS-SC	40 km	MM1300-SC	5 km
<b>850-14555</b>	SM1550/LONG-SC	80 km	MM1300-SC	5 km
<b>850-14570</b>	SM1310/PLUS-SC	40 km	MM850-SC	2 km
<b>Single-Strand Fiber</b>				
<b>850-14532</b>	SSFx-SM1310-SC (1310xmt/1550rcv)	20 km	MM1300-SC	5 km
<b>850-14533</b>	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
<b>iMcV-S2MM/1250 – Single-mode to Multi-mode</b>				
<b>859-14799</b>	LX-SM1310-SC	15 km	SX-MM850-SC	220/550 m
<b>859-14800</b>	LX-SM1310/PLUS-SC	40 km	SX-MM850-SC	220/550 m
<b>859-14801</b>	LX-SM1550/LONG-SC	80 km	SX-MM850-SC	220/550 m
<b>Single-Strand Fiber</b>				
<b>859-14806</b>	SSLX-SM1310-SC (1310xmt/1550rcv)	15 km	SX-MM850-SC	220/550 m
<b>859-14807</b>	SSLX-SM1550-SC (1550xmt/1310rcv)	15 km	SX-MM850-SC	220/550 m
<b>859-14808</b>	SSLX-SM1310/PLUS-SC (1310xmt/1550rcv)	40 km	SX-MM850-SC	220/550 m
<b>859-14809</b>	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
<b>iMcV-S2SM/1250 – Single-mode to Single-mode</b>				
<b>Single-Strand Fiber</b>				
<b>859-14822</b>	SSLX-SM1310/PLUS-SC (1310xmt/1550rcv)	40 km	LX-SM1310/PLUS-SC	40 km
<b>859-14823</b>	SSLX-SM1550/PLUS-SC (1550xmt/1310rcv)	40 km	LX-SM1310/PLUS-SC	40 km



iView: Webserver Version  
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All product specifications are subject to change without notice.

iMcV-S2SM & iMcV-S2MM\_4517ds

# Protocol-Independent, SNMP-Manageable Fiber Mode Conversion Modules

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 <sup>2</sup>	
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

