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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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

iMcV-S2MM & iMcV-S2SM series

**B+B SMARTWORX**

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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

