

# Modular Protocol-Independent, Fiber Mode Converter via SFP Modules

## IE-iMcV-ModeConverter



### PRODUCT FEATURES

- Interchangeable SFP modules allow for multiple fiber mode/type conversion options (single-mode, multi-mode, single-strand, long haul, short haul, etc.)
- Extended operating temperatures
- DDMI enabled SFPs support SNMP when installed in a compatible managed chassis
- Modular, hot-swappable architecture reduces operational costs associated with product installation, upgrades and maintenance
- Ideal for use with B&B Electronics' SFPs
- Supports a full range of SFP modules offering various transmission speeds, from 10 Mbps up to 2.4 Gbps\*

The IE-iMcV-ModeConverter is an SNMP manageable module that allows network operators to incorporate multiple fiber types and wavelengths within a network. It installs in the modular, SNMP-manageable iMediaChassis series and in the unmanaged MediaChassis series.

The IE-iMcV-ModeConverters are protocol-independent with dual SFP ports which can provide a single conversion between different wavelengths or single-mode and multimode fiber, single-mode to single-mode fiber or multimode to single-strand single-mode fiber. The IE-iMcVModeConverter modules support a variety of user configurable features such as LinkLoss forcing a gigabit SFP to 100Mbps. Additionally, since the IE-iMcV-ModeConverter is an Industrial Equipment (IE) device, the unit operates in environments that demand extended operating temperatures.

The IE-iMcV-ModeConverter uses MSA Compliant SFP modules to provide greater fiber flexibility in the network environment. The hot-swappable nature of SFPs and the numerous fiber modes and types that are available allow for easy configuration and future upgrading as network demands evolve.

### ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION	FIBER PORTS	DISTANCE
<b>IE-ModeConverter SFP/SFP with AC Adapter **</b>			
850-19500	SFP	2	Various

\* Certified at 1.25 Gbps, 2.4 Gbps is achievable

\*\* SFP fibers sold separately



iView: Windows 2000/XP/Vista/Win7



### IN THE FIELD

#### High Bandwidth for Dubai Mall

Industry: Enterprise IT

Product: IE-Mode Converters w/ SFP modules;  
IE-PowerTray/18 High-density Chassis

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## SPECIFICATIONS

### TECHNICAL

- Includes two SFP ports
- Protocol-independent operation
- Converts between dissimilar fiber modes and wavelengths
- Includes diagnostic LEDs
- Hot-swappable architecture
- Modular Form Factor

- Extended temperature range from -40° to +85° C
- Compatible with IMC Networks' SFPs and all standard MSA compliant SFP devices

### STANDARD COMPLIANCE

- SFP-MSA SFP standard (September 14, 2000)
- SFF-8472 DDM1 standard (Revision 1.0)

### MECHANICAL

- Dimensions 4.19" x 0.78" x 2.75"  
(10.6 cm x 1.98 cm x 6.99 cm)
- Shipping Weight 0.25 lbs (0.11 kg)

### POWER

- 422mA with SFP ports populated (Typical @ 5V)

### ENVIRONMENTAL

- Operating Temperature: -40° to +185° F (-40° to +85° C)
- Storage Temperature: -40° to +185° F (-40° to +85° C)
- Operating Humidity 5% to 95% (non-condensing),  
0 – 10,000 ft. altitude

### REGULATORY APPROVALS

- FCC Class A
- UL/cUL, CE

## MECHANICAL DIAGRAM

(dimensions in inches)

