



# Modular Protocol-Independent, 10 Gbps SFP+ Fiber Mode Converter

## iMcV-10G Converter SFP+



### PRODUCT FEATURES

- Interchangeable SFP+ modules allow for multiple fiber mode/type conversion options (single mode, multi-mode)
- DDMI enabled SFP+ s are supported through SNMP when installed in a compatible managed chassis
- Supports 3R's signal regeneration - Re-amplify, Re-shape, Re-time
- Supports a wide range of SFP+ Modules with transmission speeds from 9.9 Gbps to 11.3 Gbps
- Modules are hot-swappable; no need to power-down chassis when upgrading or trouble-shooting a single module
- User selectable FX LinkLoss enables the operator to identify a cable fault failure when the unit is not installed in a managed chassis
- Supports Config Control, a feature that retains the latest configuration of a module regardless of how the initial configuration was setup, whether by DIP Switch or SNMP Management Module
- Supports Internal Test Head functionality

The iMcV-10G-Converter SFP+ is a single-wide SNMP manageable module that allows network operators to convert an array of fiber types within a network. It installs in the modular, SNMP-manageable iMediaChassis series and in the unmanaged MediaChassis series.

The iMcV-10G-Converter SFP+ uses 10 Gbps SFP+ modules which are capable of moving large amounts of data over long distances for applications such as ISPs, Data Storage, Fiber Channel, and others. The hot-swappable nature of SFP+ and the numerous fiber protocols and types that are available allow for easy configuration and future upgrading as network demands evolve.

The iMcV-10G-Converter SFP+ is protocol-independent with dual SFP+ ports which can provide a single conversion between single-mode and multi-mode fiber, single-mode to single-mode fiber or multi-mode to single-strand single-mode fiber. The iMcV-10G-Converter SFP+ module supports a variety of user-configurable features such as Loss Carry Forward (LCF) and Internal Test Head feature.

Easily configure and manage converters with the GUI-based iView<sup>2</sup>. As an SNMP management application, iView<sup>2</sup> gives network managers the ability to monitor and control B&B Electronics products. iView<sup>2</sup> runs standalone on Windows NT/XP/2000/7 or as a Web Server running under IIS.

### ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE
<b>iMcV-10G-Converter SFP+/SFP+*</b>			
860-12102	SFP+	2	Various

\* SFPs Sold Separately

### ORDERING INFORMATION

MODEL NUMBER	FIBER	RANGE	FIBER BUDGET (DB)
<b>IE-SFP+ Modules: 10 Gbps Ethernet (OC-192) with DDMI</b>			
808-38600	IE-SFP+ SR/10G-ED, MM850, LC	33 m	2.8
808-38601	IE-SFP+ LR/10G-ED, SM1310, LC	10 Km	8.4



iView: Windows 2000/XP/Vista/Win7

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## SPECIFICATIONS

### TECHNICAL

- 2 x SFP+ ports
- Supports an array of 10G protocols
- Converts between dissimilar fiber modes and wavelengths
- Includes diagnostic LEDs
- Hot-swappable architecture
- Modular Form Factor
- Compatible with B&B Electronics SFP+ and all standard SFP+ transceivers
- Does not support Copper SFPs

### STANDARD COMPLIANCE

- Meets MSA Standards

### MECHANICAL

- Dimensions: 4.19"H x 0.78"W x 2.75"D (10.74 x 2 x 7.05 cm)
- Shipping Weight: 0.25 lbs (0.11 kg)

### ENVIRONMENTAL

- Operating Temperature: -4° to +158° F (-20° to +70° C)
- Storage Temperature: -40° to +185° F (-40° to +85° C)
- Operating Humidity: 5% to 95% (non-condensing), 0 – 10,000 ft. altitude

### POWER CONSUMPTION

- 637mA @ +70° C (Typical @ 5V)

### REGULATORY APPROVALS

- FCC Class A
- UL/cUL, CE

## MECHANICAL DIAGRAM

(dimensions in inches)

