Modular Protocol-Independent, 10 Gbps XFP Fiber Mode Converter

iMcV-10G Converter XFP

PRODUCT FEATURES

- Interchangeable XFP modules allow for multiple fiber mode/type conversion options (single-mode, multi-mode) as well as support for copper XFPs
- DDMI capable XFPs 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 XFP Modules with transmission speeds from 9.9 Gbps to 11.3 Gbps
- User selectable FX LinkLoss enables the operator to identify a cable fault/failure when the unit is not used 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 XFP Loopback (Lineside & SFI) and Loss Carry Forward (XFP dependent)

The iMcV-10G-Converter is a dual-wide SNMP manageable module that allows network operators to convert multiple fiber types and wavelengths, as well as copper XFPs, within a network. It installs in the modular, SNMP-manageable iMediaChassis series and in the unmanaged MediaChassis series.

The iMcV-10G-Converter uses 10 Gbps XFP 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 XFPs and the numerous fiber modes and types that are available allow for easy configuration and future upgrading as network demands evolve.

The iMcV-10G-Converter is protocol-independent with dual XFP ports which can provide a single conversion between copper, different wavelengths or 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 module supports a variety of user-configurable features such as LinkLoss, LoopBack and variable speed XFPs.

Easily configure and manage converters with the GUI-based iView². As an SNMP management application, iView² gives network managers the ability to monitor and control B&B Electronic's products. iView² runs standalone on Windows NT/XP/2000/7 or as a Web Server running under IIS.

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE
IE-iMcV-10G-Converter XFP/XFP*			
860-12100	SFP	2	Various

* SFPs Sold Separately

ORDERING INFORMATION

MODEL NUMBER	FIBER	RANGE	FIBER BUDGET (DB)
IE-XFP Modules: 10 Gbps Ethernet (OC-192) with DDMI			
808-38610	IE-XFP SR/10G-ED, MM850, LC	33 m	2.8
808-38611	IE-XFP LR/10G-ED, SM1310, LC	10 km	8.4
808-38612	IE-XFP ER/10G-ED, SM1550, LC	40 km	15
808-38612	IE-XFP ZR/10G-ED, SM1550/PLUS, LC	80 km	23

iView: Windows 2000/XP/Vista/Win7

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SPECIFICATIONS

TECHNICAL

2 x XFP ports

Supports copper and fiber XFP transceivers

Protocol-independent operation

Converts between dissimilar fiber modes and wavelengths

Includes diagnostic LEDs

Hot-swappable architecture

Modular Form Factor

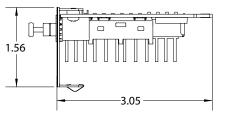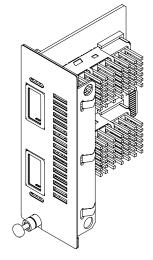Compatible with IMC Networks' XFPs and all standard XFP transceivers

STANDARD COMPLIANCE
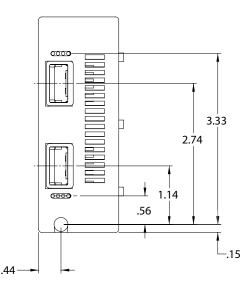
SFF-8472 DDMI standard (Revision 1.0)

MECHANICAL	
Dimensions	Dual-wide iMcV-module
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)