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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.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Modular Protocol-Independent, 10 Gbps SFP+ Fiber Mode Converters

iMcV-10G Converter SFP+ series



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 Reamplify, Reshape, Retime
- 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 troubleshooting 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 (available from Advantech B+B SmartWorx).

The iMcV-10G-Converter SFP+ uses 10 Gbps SFP+ modules that 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 10G 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 that can provide a single conversion between single-mode and multi-mode fiber, single-mode to single-mode fiber, or 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 iView². As an SNMP management application, iView² gives network managers the ability to monitor and control B+B SmartWorx products. iView² runs as a Web Server version; the software is free and available for download from the website.

ORDERING INFORMATION

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

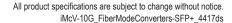
ORDERING INFORMATION

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

^{**} SFP fibers sold separately - available at www.advantech-bb.com



iView: Webserver Version Free Download





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SPECIFICATIONS

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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 SmartWorx' SFP+ and all standard SFP+ transceivers		
Does not support copper SFPs		
STANDARD COMPLIANCE		
Meets MSA Standards		
MTU = 10000 bytes		

MECHANICAL				
Dimensions	10.74 x 2.0 x 7.05 cm (4.19H x 0.78W x 2.75D in)			
Shipping Weight	0.11 kg (0.25 lbs)			
ENVIRONMENTAL				
Operating Temperature:	-20 to +70 °C (-4 to +158 °F)			
Storage Temperature:	-40 to +85 °C (-40 to +185 °F)			
Operating Humidity	5 to 95% (non-condensing), 0 to 10,000 ft. altitude			
POWER CONSUMPTION				
637mA @ +70° C (typical @ 5V)				
REGULATORY APPROVALS				
FCC Class A				
UL/cUL, CE				

MECHANICAL DIAGRAM

units = inches

