

Modular 10/100/1000 Mbps Ethernet Media/Mode Converter

IE-iMcV-MultiWay

B+B SMARTWORX

Powered by

ADVANTECH

www.advantech-bb.com



PRODUCT FEATURES

- Versatile 4 port device
- SNMP manageable
- SFP ports, for fiber and copper SFPs
- Extended temperature
- Supports OAM, VLAN, 1+1 Revertive
- RS-232 CLI (Command Line Interface) Console Port
- Module can fit into any MediaChassis or iMediaChassis series

The IE-iMcV-MultiWay is a modular, CPE device providing two fixed 10/100/1000Base-T copper ports and 2 SFP ports. The IE-iMcV-MultiWay comes standard with two SFP ports for the providers' network connection and two fixed 10/100/1000Base-T copper ports. There are four distinct DIP Switch selectable configurations that the IE-iMcV-MultiWay supports.

Features included are a 1+1 Uplink Protection revertive mode, 1+1 Uplink Protection non-revertive mode, a 4-port Gigabit Switch, and a Dual Copper to Fiber SFP Media/Mode Converter (two gigabit fiber media converters in one).

The IE-iMcV-MultiWay is an ideal solution for service providers' fiber networks because it combines media conversion with an advanced features set for network management and trouble shooting, including port based VLAN and VLAN trunks, IEEE 802.1ad (Q-in-Q) and a user definable EtherType. Information such as interface statistics, RMON1 statistics, and OAM status and control are a few of the many accessible features from the Serial CLI, Telnet CLI and SNMP Management Software.



iView² WebServer Version

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
IE-iMcV-MultiWay *					
858-18121	SFP	2	Various	2	RJ45

* SFPs sold separately.

IE-SFP Modules: 100 to 155 Mbps

MODEL NUMBER	DESCRIPTION	FIBER TYPE	RANGE	POWER BUDGET
808-38101	MM850	LC	2 km	14.5 (db)
808-38103	SM1310	LC	15 km	13 (db)
808-38104	SM1310/PLUS	LC	40 km	31 (db)
808-38105	SM1550/LONG	LC	80 km	31 (db)

IE-SFP Modules: 1 Gbps Gigabit Ethernet

MODEL NUMBER	DESCRIPTION	FIBER TYPE	RANGE	POWER BUDGET
808-38201	MM850	LC	550 m	7.5 (db)
808-38202	SM1310	LC	10 km	13 (db)
808-38203	SM1310/PLUS	LC	30 km	17 (db)
808-38204	SM1550/LONG	LC	40 km	17 (db)
808-38205	SM1550/XLONG	LC	70 km	23 (db)

IE-Gigabit Copper SFP* Modules

MODEL NUMBER	CONNECTOR	SPEED	FIBER TYPE	RANGE
808-39001	RJ45 Copper	10/100/1000 Mbps	LC	100 m
808-39010	RJ45 Copper	1000 Mbps	LC	100 m

*The two SFP ports can support 100Mbps or Gigabit fiber, as well as 10/100/1000 Mbps or Gigabit copper SFPs.

All product specifications are subject to change without notice.

IE-iMcV-MultiWay_0717ds

Modular 10/100/1000 Mbps Ethernet Media/Mode Converter

IE-iMcV-MultiWay



SPECIFICATIONS

TECHNICAL
IEEE 802.3 10Base-T twisted pair
IEEE 802.3u 100Base-TX twisted pair
IEEE 802.3ab 1000Base-T twisted pair
IEEE 802.3z 1000Base-LX or SX fiber
Extended temperature range
Plug-and-play operation
Accepts RJ-45 and SFP connectors
50/125µm or 62.5/125µm multi-mode fiber
9/125µm single-mode fiber
Single-strand fiber and CWDM models
FX and TX Auto Negotiation
AutoCross for MDI/MDIX
Layer 2 packet switching, store and forward (forwarding rate: 14,880 pps for 10 Mbps, 148,000 pps for 100 Mbps, 1,480,000 Mbps for 1,000 Mbps)
Jumbo Frames support (up to 10240) at Gigabit speed

STANDARD COMPLIANCE	
IEEE 802.3ah	
IEEE 802.1ag	
IEEE 802.1q VLAN	
SFP-MSA SFP standard (September 14, 2000)	
SFF-8472 DDMI standard (Revision 1.0)	
MECHANICAL	
Dimensions	4.19H x 0.78W x 2.75D in (10.74 x 2 x 7.05 cm)
Shipping Weight	0.30 lbs (.11 kg)
ENVIRONMENTAL	
Operating Temperature:	-40° F to +185° F (-40° C to +85° C)
Storage Temperature:	-67 F to +257° F (-55° C to +125° C)
Operating Humidity	5% to 95% (non-condensing), 0 – 10,000 ft. altitude
MTBF	522,644 Hours
REGULATORY APPROVALS	
FCC Class A	
UL, cUL, CE	

MECHANICAL DIAGRAM

(dimensions in inches)

