



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

IE-iMcV-MultiWay



PRODUCT FEATURES

- Four devices in one unit
- Supports 3R's (Re-amplify, Re-shape, Re-time) optical signal regeneration
- 1+1 uplink protection (< 50 mSec)
- Supports per port service VLAN
- SNMP manageable
- Jumbo Frames support (up to 10240 bytes)
- Support for daisy chain expansion
- Supports IEEE 802.3ah OAM (active/passive), 802.1ag CFM (Connectivity Fault Management) and Y.1731 on all ports
- Discovery, Link Monitoring, Performance Monitoring and Remote Loopback
- Features Bandwidth Management including Limiting and Traffic Shaping with burst capability and priority queuing

The IE-iMcV-MultiWay is a modular, CPE device providing two fixed 10/100/1000Base-T copper ports and 2 SFP ports. The SFP ports support fiber or copper SFPs. A console port and on-board DIP Switches provide configuration and mode options for the module. The IE-iMcV-MultiWay provides OAM functionality with 802.3ah and 802.1ag support on each port. As an Industrial Ethernet device, it supports an extended temperature range of -40° to +85° C.

There are four distinct DIP Switch-selectable configurations that the IE-iMcV-MultiWay supports:

- 1+1 Uplink Protection, revertive
- 1+1 Uplink Protection, non-revertive
- A four port gigabit switch
- A dual copper to fiber SFP media/mode converter

As a 4-port device, it can be deployed with fiber redundancy (with or without 1+1 uplink protection) and status monitoring with management on all ports via SNMP, which now offers OAM for mission-critical applications. It can also be installed as dual 10/100/1000 Mbps copper to fiber media converter (utilized as two separate converters).

The IE-iMcV-MultiWay supports 10/100/1000 Mbps and 1 Gbps copper and 100 Mbps and 1 Gbps optical SFP modules, to provide greater 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.

The IE-iMcV-MultiWay offers a full feature set including Auto Negotiation, Selective Advertising, AutoCross (on copper ports), VLANs, loopback testing and OAM. Software updates can be downloaded through TFTP or iView2 (iConfig view).

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



iView: Windows 2000/XP/Vista/Win7

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 DDM1 standard (Revision 1.0)

MECHANICAL

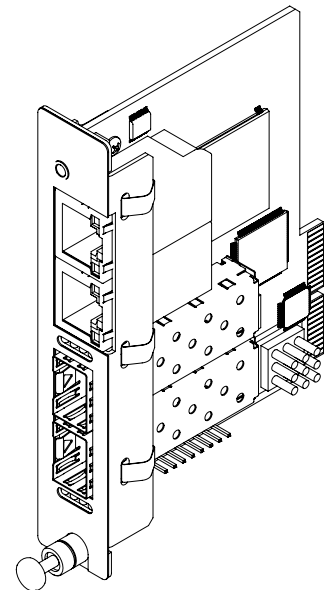
Dimensions 4.19" H x 0.78" W x 2.75" D
 (10.74 x 2 x 7.05 cm)
 Shipping Weight 0.30 lbs (.11 kg)

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

REGULATORY APPROVALS

FCC Class A
 UL, cUL, CE



MECHANICAL DIAGRAM

(dimensions in inches)

