

10/100/1000 Mbps Optical Ethernet Demarcation Unit

IE-Multiway series

B+B SMARTWORX

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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

The IE-MultiWay is a value-based, Carrier-class managed Gigabit Ethernet solution that is ideal for use as a CPE device at the customer's network edge as well as in a fiber infrastructure. The IE-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-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-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.



IN THE FIELD

Intelligent Facilities: Controlling Access & Security

Industry: Security
Product: IE-MultiWay Ethernet Media Converter

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ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	ETHERNET PORTS	ETHERNET CONNECTOR
IE-Multiway With AC to DC Power Adapter				
858-11121	SFP*	2	2	RJ45

* SFP modules sold separately. Two (2) SFP transceivers required for full device functionality.

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
808-38200	SM1310	LC	20 km	15 (db)
808-38201	MM850	LC	550 m	7.5 (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.

ACCESSORIES - sold separately

806-39105 - DIN Rail Clip
806-39638 - Double-USB Power Cable, 0.9 m (36 in)
825-39951 - Serial Cable, MiniJack to DB9 (female)
806-39720 - AC Power Adapter
895-39229 - Wall Mount Bracket

All product specifications are subject to change without notice.

IE-Multiway_3018ds

10/100/1000 Mbps Optical Ethernet Demarcation Unit

IE-Multiway series



SPECIFICATIONS

TECHNICAL

Plug-and-Play Operation
2 x RJ-45 and 2 x SFP ports (SFPs sold separately)
IEEE 802.3i 10Base-T over twisted pair
IEEE 802.3u 100Base-TX over twisted pair
IEEE 802.3u 1000Base-T over twisted pair
IEEE 802.3u 100Base-FX
IEEE 802.3u 1000Base-X
Jumbo Frames support (up to 10240 bytes)
Auto Negotiation, Auto-Cross for MDI/MDIX
Includes diagnostic LEDs
1+1 uplink protection (< 50 mSecs)
Extended temperature range from -40 to +85 °C
-48 VDC terminal for Telco applications
Compatible with all standard MSA compliant SFP transceivers
STANDARDS COMPLIANCE
IEEE 802.3ah
IEEE 802.1ag
Y.1731
SFP-MSA Standard 8472

MECHANICAL

Dimensions	2.2 x 9.38 x 9.94 cm (0.86h x 3.66w x 3.86d in)
Enclosure	Metal
Shipping Weight	0.45 kg (1.0 lb)

POWER

5 to 24 VDC (Barrel)

48 VDC Telco (Terminal)

POWER INFORMATION

Min: 3.15W (1 optic SFP [1 Gbps], 1 Tx [100 Mbps])

Max: 7.0W (2 Cu SFP [1 Gbps], 2 Tx [1 Gbps])

* Power consumption is based on SFP types

ENVIRONMENTAL

Operating Temperature - AC Wall Adapter -10 to +50 °C (+14 to +122 °F)

Operating Temperature - w/ DC Configuration -40 to +85 °C (-40 to +185 °F)

Storage Temperature -45 to +85 °C (-49 to +185 °F)

Operating Humidity 10 to 95% non-condensing

Meantime Before Failure (MTBF) 522,644 Hours

REGULATORY APPROVALS

FCC Class A (Using 48V Telco-type power)

FCC Class B (Using all other power options)

UL/cUL, CE

MECHANICAL DIAGRAM

(dimensions in inches & millimeters)

