10/100 Mbps Managed Optical Demarcation Compact CPE Device

IE-MiniFiberLinX-II/Telco

PRODUCT FEATURES

- Loopback troubleshooting
- SNMP Manageable
- Power options: AC, DC
- Bi-directional Bandwidth control
- MTU: Supports over-sized packets up to 1916
- Supports passive 802.3ah OAM (Operation, Administration & Management

The compact IE-MiniFiberLinX-II/Telco is one of the most versatile fiber optic NID devices available on the market today. It provides point-to-point fiber optic connections with a unique management tool to monitor the entire link between two locations. IE-MiniFiberLinX-II/Telco was designed to work with -48 VDC power that is compliant with the Bellcore GR-499 specification, supporting the minimum and maximum transient voltages, typically required by transport equipment used in Telco environments. Other key features include; carrier grade remote SNMP management, extra tagging using Q-in-Q, and PoE (Power over Ethernet).

As a copper-to-fiber converter, the IE-MiniFiberLinX-II/Telco supports multiple fiber types including multimode, single-mode, single-strand fiber (SSF), and Course Wavelength Division Multiplexing (CWDM) functionality to increase the capacity of existing fiber. As a remote, CPE device, it can be connected via the fiber segment to an iMcV-FiberLinX-II Host module to support Host/Remote management.

Equipped with one 100 Mbps fiber data port, one 10/100 twisted pair port for data and management, as well as an auxiliary port designed to function as a serial port (when used with the included adapter), the IE-MiniFiberLinX-II/Telco also offers multiple powering options: AC power (with included adapter), DC (through a 4-terminal power block).

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
IE-MiniFiberLinX-II/Telco					
856-17620	MM850-ST	1	2 km	1	RJ45
856-17621	MM850-SC	1	2 km	1	RJ45
856-17622	MM1300-ST	1	5 km	1	RJ45
856-17623	MM1300-SC	1	5 km	1	RJ45
856-17626	SM1310/PLUS-ST	1	30 km	1	RJ45
856-17627	SM1310/PLUS-SC	1	30 km	1	RJ45
856-17628	SM1310/LONG-ST	1	80 km	1	RJ45
856-17629	SM1310/LONG-SC	1	80 km	1	RJ45
856-17631	SM1550/LONG-SC	1	80 km	1	RJ45
856-17632	SM1550/XLONG-SC	1	100 km	1	RJ45
SINGLE STRAND FIBER *					
856-17640	SSFX-MM1310-SC	1	2 km	1	RJ45
856-17641	SSFX-MM1550-SC	1	2 km	1	RJ45
856-17642	SSFX-SM1310-SC	1	20 km	1	RJ45
856-17643	SSFX-SM1550-SC	1	20 km	1	RJ45
856-17644	SSFX-SM1310/PLUS-SC	1	40 km	1	RJ45
856-17645	SSFX-SM1550/PLUS-SC	1	40 km	1	RJ45
856-17646	SSFX-SM1310/LONG-SC	1	60 km	1	RJ45
856-17647	SSFX-SM1550/LONG-SC	1	60 km	1	RJ45

* These products have single-strand fiber technology. Deploy in pairs or connect another compatible B&B IMC LLC single-strand fiber product.

IE-MiniFiberLinX-II/Telco also available in CWDM Fiber. Call for details.

IN THE FIELD

Chilean Telecommunications Delivers Services Via Fiber
Industry: Enterprise IT
Product: Optical Ethernet Demarcation Module

www.bb-elec.com/ChileCable

Carrier data charges may apply.

ACCESSORIES

806-39105 - DIN Rail Clip

806-39638 - Double-USB Power Cable, 36"/.9m

806-39650 - 12"/.3m Barrel-Connector Power Cable

806-39753 - IE-Power/5V Module, AC to DC DIN Rail Power Adapter

iView: Windows 2000/XP/Vista/Win7

SPECIFICATIONS

GENERAL

Preserves complete end-to-end fiber connection integrity

Bi-directional bandwidth control (per port, per direction, per VLAN)

Read/write IEEE 802.1Q VLAN-tags

Extra Tagging with Q-in-Q mode (802.1p)

Supports passive 802.3ah OAM (Operation, Administration & Management)

QoS: IEEE 802.1p-based packet prioritization (2 queues [high/low] with 8 levels of priority)

VLAN filtering up to 32 values

Layer 2 packet switching, store and forward operation

Forwarding rate: 14,881 pps for 10 Mbps; 148,810 pps for 100 Mbps

AutoCross for MDI/MDIX

Features Auto Negotiation and Selective Advertising

Supports Half and Full-Duplex operation

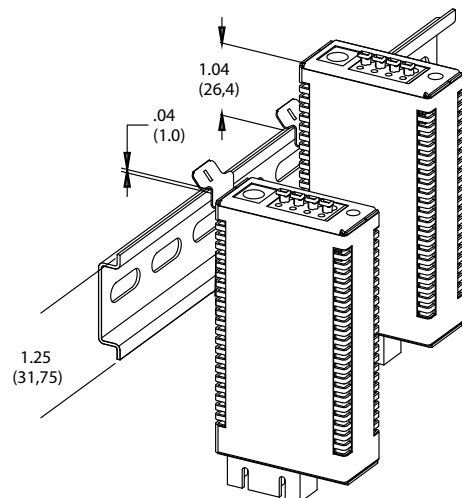MTU: Supports over-sized packets up to 1916 bytes per packet

SECURITY

Password Control

Multiple Access Levels: User Assigned Accounts & Access Levels

MANAGEMENT

SNMP V1 and V2c compatible

Includes GUI-based iView² software for remote management and upgrades

Monitors far-end (remote) status without a physical presence or separate connection

IEEE 802.3x Flow Control

Includes DHCP and TFTP clients

Supports Telnet

Includes loopback test modes (MAC swap)

Includes LinkLoss and FiberAlert

Remote capabilities with built-in support for UMA (IP-less management)

RS-232 (Craft) interface for local management

Serial cable for direct connection to a PC's Serial Port

ETHERNET PROTOCOLS SUPPORTED

EEE 802.3i 10Base-T twisted pair

IEEE 802.3u 100Base-TX twisted pair

IEEE 802.3u 100Base-FX or SX fiber

MECHANICAL

Dimensions	0.83"H x 1.80"W x 3.35"D (2.11 x 4.57 x 8.51 cm)

POWER

AC Wall Adapter: 100 to 240 VAC ±10% input, 5 VDC output, 2A max.

DC Input Voltage: 12 to 48 VDC *, 1 to .02A, 7 to 50 VDC, 1 to 0.1A

ENVIRONMENTAL

Operating Temperature	+14° to +122° F (-10° to +50° C) AC Adapter
	-13° to +167° F (-25° to +75° C) DC Adapter
	-49° to +185° F (-45° to +85° C) DC Telco
Storage Temperature	-49° to +185° F (-45° to +85° C)
Operating Humidity	5 to 95% Non-condensing

REGULATORY APPROVALS

FCC Class A

UL/cUL, CE, CSA, CB

MECHANICAL DIAGRAM

(dimensions in inches & millimeters)

B&B Electronics

orders@bb-elec.com
support@bb-elec.com

International Office: 707 Dayton Road PO Box 1040 Ottawa, IL 61350 USA   815-433-5100 Fax 433-5104
European Office: Westlink Commercial Park Oranmore Co. Galway Ireland   +353 91 792444 Fax +353 91 792445