10/100 Mbps Managed Optical Demarcation Compact CPE Device

IE-MiniFiberLinX-II

B&B ELECTRONICS

PRODUCT FEATURES

- Loopback troubleshooting
- SNMP Manageable
- Power options: AC, DC and 802.3af Power over Ethernet (PoE)
- 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 provides point-to-point fiber optic connections with a unique management tool to monitor the entire link between two locations. IE-MiniFiberLinX-II CPE for fiber optic networks allows service providers to deliver "triple-play" voice, video and data services to customer premises.

As a copper-to-fiber converter, the IE-MiniFiberLinX-II supports multiple fiber types including multi-mode, 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 also offers multiple powering options: AC power (with included adapter), DC (through a 4-terminal power block), as well as Power over Ethernet, acting as a Powered Device (PD) to draw power when connected to 802.3af compliant Power Sourcing Equipment (PSE). Telco versions that support -48 VDC are also available.

Combining copper-to-fiber conversion, extended temperature performance, plug-and-play operation, miniature size and multiple power options, the IE-MiniFiberLinX-II is one of the most versatile fiber optic CPE devices available.

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
**IE-MiniFiberLinX-II **					
856-19717	MM850-ST	1	2 km	1	RJ45
856-19718	MM850-SC	1	2 km	1	RJ45
856-19722	MM1300-ST	1	5 km	1	RJ45
856-19723	MM1300-SC	1	5 km	1	RJ45
856-19724	SM-1310/PLUS-ST	1	40 km	1	RJ45
856-19725	SM1310/PLUS-SC	1	40 km	1	RJ45
856-19726	SM1310/LONG-ST	1	80 km	1	RJ45
856-19727	SM1310/LONG-SC	1	80 km	1	RJ45
856-19730	SM1550/LONG-SC	1	80 km	1	RJ45
856-19728	SM1550/XLONG-SC	1	100 km	1	RJ45
SINGLE STRAND FIBER *					
856-19750	SSFX-MM1310-SC	1	2 km	1	RJ45
856-19751	SSFX-MM1550-SC	1	2 km	1	RJ45
856-19752	SSFX-SM1310-SC	1	20 km	1	RJ45
856-19753	SSFX-SM1550-SC	1	20 km	1	RJ45
856-19754	SSFX-SM1310/PLUS-SC	1	40 km	1	RJ45
856-19755	SSFX-SM1550/PLUS-SC	1	40 km	1	RJ45
856-19756	SSFX-SM1310/LONG-SC	1	60 km	1	RJ45
856-19757	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.

** For a complete list of modules without an AC Adapter, contact IMC Networks

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

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[2]
DEVICE MANAGEMENT APPLICATION

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

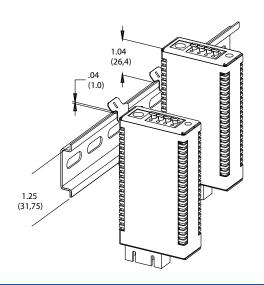| |
|---|
| SNMP V1 and V2c compatible |
| Includes GUI-based iView² software for remote management and upgrades |
| Monitors far-end (remote) status without a physical presence or separate connection |
| IEEE 802.3x Flow Control |
| Includes DHCP and TFTP clients |
| Supports Telnet |
| Includes loopback 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
IEEE 802.3af Power over Ethernet

ENVIRONMENTAL

Operating Temperature	+14° to +122°F (-10° to +50°C) AC Adapter
	-13° to +167°F (-25° to +75°C) DC Adapter
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