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# 10/100 Mbps Managed Optical Demarcation Compact CPE Device

## IE-MiniFiberLinX-II - including LastGasp / Telco models

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### 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 and IE-MiniFiberLinX-II with LastGasp/Telco is one of the most versatile fiber optic NID devices available on the market today.

As a copper-to-fiber converter, the IE-MiniFiberLinX-II series (including LastGasp / Telco) supports multiple fiber types including multimode, single-mode, and single-strand fiber 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.

It provides point-to-point fiber optic connections with a unique management tool to monitor the entire link between two locations. Both models are 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. Additionally, one model offers Last Gasp, a Trap notification feature that identifies when the power lines are down or of a possible power supply failure. Other key features include; carrier grade remote SNMP management, extra tagging using Q-in-Q, and PoE (Power over Ethernet, on non-Telco version only).

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/ LastGasp 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
<b>IE-MiniFiberLinX-II</b>					
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
856-19727	SM1310/LONG-SC	1	80 km	1	RJ45
856-19735	SM1310/PLUS-SC	1	30 km	1	RJ45
<b>SINGLE STRAND FIBER *</b>					
856-19752	SSFX-SM1310-SC	1	20 km	1	RJ45
856-19753	SSFX-SM1550-SC	1	20 km	1	RJ45
856-19755	SSFX-SM1550/ PLUS-SC	1	40 km	1	RJ45
856-19757	SSFX-SM1550/ LONG-SC	1	60 km	1	RJ45
<b>IE-MiniFiberLinX-II/Telco/LastGasp</b>					
856-17723	MM1300-SC	1	5 km	1	RJ45
856-17727	SM1310/PLUS-SC	1	30 km	1	RJ45
856-17729	SM1310/LONG-SC	1	80 km	1	RJ45
<b>SINGLE STRAND FIBER *</b>					
856-17742	SSFX-SM1310-SC	1	20 km	1	RJ45
856-17743	SSFX-SM1550-SC	1	20 km	1	RJ45
856-19762	SSFX-SM1310-SC	1	20 km	1	RJ45

\* These products have single-strand fiber technology. Deploy in pairs or connect another compatible Advantech B+B SmartWorx LLC single-strand fiber product.

### ACCESSORIES

- 806-39105** - DIN Rail Clip
- 806-39638** - Double-USB Power Cable, 36 inch (0.9 m)
- 806-39650** - 12 inch (0.3 m) Barrel-Connector Power Cable
- 806-39753** - IE-Power/5V Module, AC to DC DIN Rail Power Adapter



Webserver Version iView² - free download from website.

All product specifications are subject to change without notice.  
IE-MiniFiberLinX-II/LastGasp/Telco/Standard\_3517ds

# 10/100 Mbps Managed Optical Demarcation Compact CPE Device

## IE-MiniFiberLinX-II - including LastGasp / Telco models



### 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 iView <sup>2</sup> 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	
IEEE 802.3i 10Base-T twisted pair	
IEEE 802.3u 100Base-TX twisted pair	
IEEE 802.3u 100Base-FX or SX fiber	

MECHANICAL	
Dimensions	0.83H x 1.80W x 3.35D inches (2.11H x 4.57W x 8.51D cm)
POWER	
AC Wall Adapter:	100 to 240 VAC $\pm$ 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 Terminal Block -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	
UL (Environmental) - "Equipment intended for installation in Restricted Access Location." Applies when this device is installed in an area where the ambient temperature is above 40 °C.	
MEANTIME BEFORE FAILURE (MTBF)	
MTBF	658,756 hours

### MECHANICAL DIAGRAM

(dimensions in inches & millimeters)

