

# 10/100 Mbps Managed Multi-port Optical Demarcation Device

AccessEtherLinX/4



## PRODUCT FEATURES

- Independent RJ45 ports for flexible configuration
- SNMP Manageable
- Read/Write IEEE 802.1Q VLAN-tags
- Bi-directional Bandwidth control
- Linkloss and FiberAlert
- Selective Advertising

The AccessEtherLinX/4 enables service providers to offer differentiated, “Transparent LAN” services to multi-tenant building and business customers. Residing at the customer premises, the AccessEtherLinX/4 provides a VLAN-based, Layer 2 entry point to the last mile fiber network, trunking, differentiating and separating customer traffic.

Featuring SNMP management, 802.1Q VLAN, 802.1p QoS, traffic prioritization, bandwidth control and multicast pruning/snooping (using IGMP v1, v2), the AccessEtherLinX/4 is perfect for a wide range of Fiber-to-the-Home, Fiber-to-the-Curb and Fiber-to-the-Business (collectively “FTTx”) services, and is an ideal solution for delivering those Ethernet based services to customers quickly and cost-effectively. Designed with a small footprint, the AccessEtherLinX/4 facilitates easy installation inside the premises.

Bandwidth control and 802.1Q VLAN compatibility built-in: The AccessEtherLinX/4 accepts traffic containing VLAN tags on the Uplink port and directs traffic to the twisted pair downlink ports or to management based on VLAN ID. In addition to assigning 802.1Q VLAN-tags on a per-port basis, priority can be defined for each port and SNMP tag; traffic is divided into a hi/low level for packet prioritization in the queue. The AccessEtherLinX/4 also includes bi-directional bandwidth control, and supports IGMP multicast pruning to ensure the necessary amount of IP multicast packets are bridged.

## ACCESSORIES

895-39226 - Rackmount Bracket

895-39949 - Rackmount Shelf



iView: Windows 2000/XP/Vista/Win7

## ORDERING INFORMATION

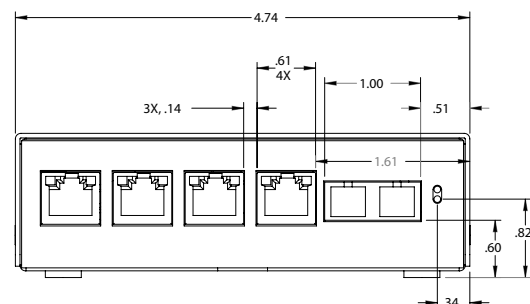
MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
<b>AccessEtherLinX/4</b>					
852-13120			100m	5	RJ45
852-13121	MM1300-ST	1	5 km	4	RJ45
852-13122	MM1300-SC	1	5 km	4	RJ45
852-13123	SM1310/PLUS-ST	1	40 km	4	RJ45
852-13124	SM1310/PLUS-SC	1	40 km	4	RJ45
852-13125	SM1310/LONG-ST	1	80 km	4	RJ45
852-13126	SM1310/LONG-SC	1	80 km	4	RJ45
852-13127	SM1550/LONG-SC	1	80 km	4	RJ45
<b>SINGLE STRAND FIBER *</b>					
852-10133	SSFx-SM1310-SC	1	20 km	4	RJ45
852-10134	SSFx-SM1550-SC	1	20 km	4	RJ45
852-10135	SSFx-SM1310/PLUS-SC	1	40 km	4	RJ45
852-10136	SSFx-SM1550/PLUS-SC	1	40 km	4	RJ45
852-10137	SSFx-SM1310/LONG-SC	1	60 km	4	RJ45
852-10138	SSFx-SM1550/LONG-SC	1	60 km	4	RJ45

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

**AccessEtherLinX/4 also available in CWDM Fiber. Call for details.**

## MECHANICAL DIAGRAM

(dimensions in inches)



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## SPECIFICATIONS

### ETHERNET TYPES SUPPORTED

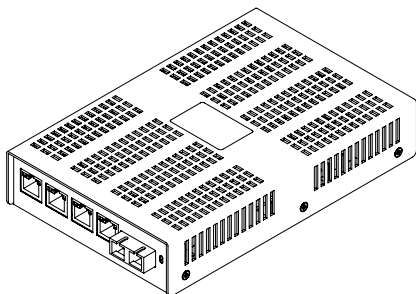
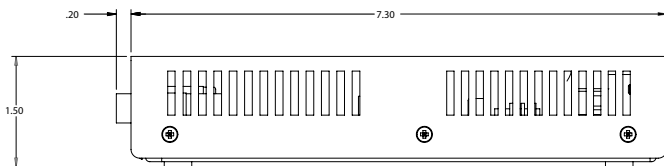
IEEE 802.3i Ethernet 10Base-T  
 IEEE 802.3u Fast Ethernet (100Base-TX and 100Base-FX)  
 Features Auto Negotiation and Selective Advertising  
 Supports Half and Full-Duplex operation  
 Includes bi-directional bandwidth control  
 Read/write IEEE 802.1Q VLAN-tags  
 QoS - IEEE 802.1p-based packet prioritization (two queues [high/low] with eight priority levels)  
 Supports IGMP multicast pruning (v1/v2)  
 Layer 2 packet switching, store and forward operation  
 Includes LinkLoss and FiberAlert  
 Forwarding rate: 14,881 pps for 10 Mbps; 148,810pps for 100 Mbps  
 1024 MAC address learning  
 MTU: Supports over-sized packets up to 1916 bytes

### MANAGEMENT

Includes GUI-based iView<sup>2</sup> software  
 SNMP V1 and V2c compatible  
 Supports Telnet and RS-232 Craft  
 Managed through uplink  
 IEEE 802.3x compliant for Flow Control  
 Includes DHCP and TFTP clients for remote management and upgrades  
 Includes diagnostic LEDs

### IMC MIB

Traps (Cold Start, Warm Start, Link Up, Link Down, Authentication Failure)  
 Link Status of Ports  
 Port Type  
 Fiber Type  
 User-Definable Name of Product  
 User-Definable ID/Name for Ports  
 Enable/Disable Ports  
 Enable/Disable FiberAlert  
 Set for Auto Negotiation/Selective Advertising  
 Force speed and Duplex Mode for twisted pair ports



### MIB-II (RFC 1213)

Packets Transmitted  
 Packets Received  
 Octets (bytes) Transmitted  
 Octets (bytes) Received  
 Unicast Packets Transmitted  
 Unicast Packets Received  
 Non-Unicast Packets Transmitted  
 Non-Unicast Packets Received  
 Errors Received  
 Plus All Standard MIB II Objects

### RMON STATISTICS

Drop Events  
 Collisions  
 Total Bytes  
 Total Packets  
 Fragments  
 Jabbers  
 Broadcast Packets  
 Multicast Packets  
 CRC Align Errors  
 Under & oversize Packets  
 Distribution of Frame Size

### TRANSMISSION DOT 3 (RFC1643)

Alignment Errors  
 Single Collision Frames  
 CRC Errors  
 SQE Test Errors  
 Late Collisions  
 Frame Too Long  
 Excessive Collisions  
 Deferred Transmissions  
 Multiple Collision Frames

### MECHANICAL

Dimensions 1.5" H x 4.75" W x 7.25" D (3.18 cm x 12.07 cm x 18.42 cm)  
 Enclosure Metal  
 Shipping Weight 1.6 lbs. (0.6 kg)

### POWER RATING

100-240 VAC, 50/60Hz, 1.0A

### ENVIRONMENTAL

Operating Temperature +32° to +122° F (0° to +50° C)  
 Storage Temperature -13° to +158° F (-25° to +70° C)  
 Operating Humidity 5 to 95% Non-condensing

### REGULATORY APPROVALS

FCC Class A  
 UL/cUL, CSA, CE

# AMEYA360

## Components Supply Platform

Authorized Distribution Brand :



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