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10/100 Mbps Managed Multi-port Optical Demarcation Device

AccessEtherLinX/4

PRODUCT FEATURES

- Independent RJ-45 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, a four-port managed Ethernet device, 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 free 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.

ORDERING INFORMATION

MODEL NUMBER	FIBER	FIBER PORTS	RANGE	ETHERNET PORTS	ETHERNET CONNECTOR
AccessEtherLinX/4					
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
SINGLE STRAND FIBER *					
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

* These products have single-strand fiber technology. Deploy in pairs or connect another compatible single-strand fiber product.
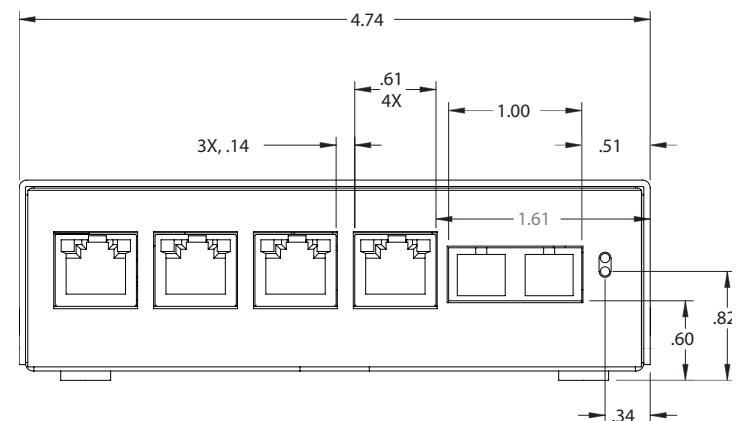
ACCESSORIES

895-39226 - Rackmount Bracket

895-39949 - Rackmount Shelf

MECHANICAL DIAGRAM
(dimensions in inches)

4.74
.61 4X
1.00
3X, .14
.51
1.61
.82
.60
.34

iView²
DEVICE MANAGEMENT APPLICATION

iView: Windows 2000/XP/Vista/Win7

All product specifications are subject to change without notice.
AccessEtherLinX/4_2517ds

10/100 Mbps Managed Multi-port Optical Demarcation Device
AccessEtherLinX/4

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 iView² 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	1.5H x 4.75W x 7.25D inches (3.18H x 12.07W x 18.42D 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

MEANTIME BEFORE FAILURE (MTBF)	
MTBF	358,120 hours

.20   7.30

1.50

B+B SMARTWORX
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