



H0EL-EthMux_V801 E1 over Ethernet Multiplexer (1E1/T1)

Brief Introduction

As a cost effective solution for the traditional telecom services migrate to the IP packet networking technology, H0EL-EthMux_V801 adopts the innovative TDM over IP technology, it transports the legacy E1 data through the existing Ethernet or IP network.

H0EL-EthMux V801 is the new generation of the TDM over IP equipment with IP circuit emulation that supports transportation of one E1 and local Ethernet over Ethernet or IP network. The uplink port and user data port are IEEE 802.3 compliant, 10/100BaseT auto-sensed Ethernet port.

The state-of-the-art design provides the highest availability with the accurate timing signal and data bit stream reconstruction. Predefined system parameter profiles that according to different application requirement; ultimately simplify the installation process and saving the maintenance cost.

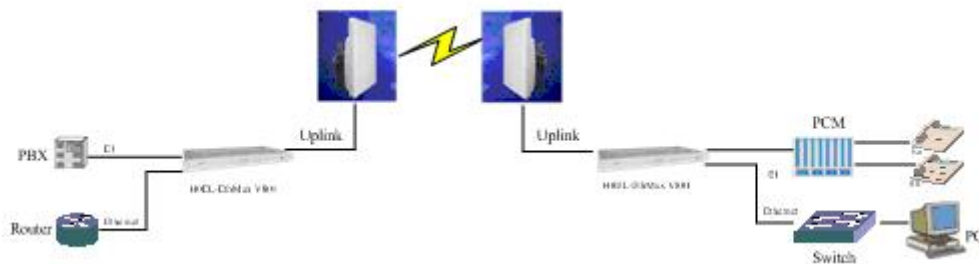
Telecom and Enterprise users can save a lot of access and equipment costs and generates new revenue by offering different types of service over existing Ethernet networks. It is also suitable for connecting to the wireless equipment to achieve fast deployment of E1 services. One particular application is to build E1 links with low cost Wireless LAN bridges, replacing much more costly microwave radios. Operators can use H0EL-EthMux V801 to provide legacy TDM services over wired or wireless packet network.

1. User-friendly Web server supported for easy setup and maintenance
2. Support SNMP V1 and V2 network management
3. Point to point and point to multipoint supported
4. 1 Uplink, 1 E1, 1 User Data Port supported
5. Stable E1 clock recovery, low jitter and wander
6. Low processing delay for E1 channel, high bandwidth usage efficiency
7. Resist to packet loss, with PCM frame synchronization protection
8. User definable encapsulation packet size for different application
9. Support Ethernet encapsulation and UDP/IP protocol encapsulation.
10. Support VLAN settings for E1 service and in band VLAN management.
11. Enough jitter buffer to resist packet delay variation (PDV)
12. Local Ethernet port throughput limiting, assuring E1 QoS
13. Local and remote E1 LOS and AIS and packet loss indication for trouble-shooting and maintenance

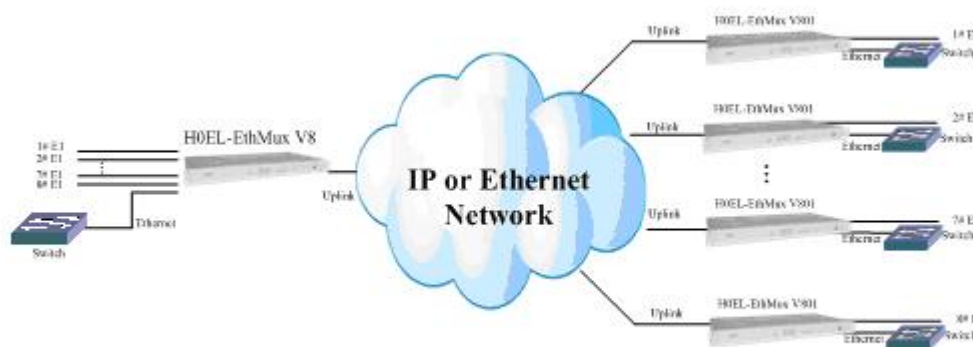
Technical Specifications

Item	Description	
Model	H0EL-EthMux V801	1Uplink, 1E1, 1 User Data Port
Interfaces	Uplink	1 Uplink Port Comply with IEEE 802.3 Speed and duplex auto-negotiation or forced
	E1 Port	1 E1 Port Comply with G.703 Impedance: E1-120Ω or 75Ω
	User Data Port	1 User Data Port Comply with IEEE 802.3 Speed and duplex auto-negotiation or forced Web Manager Supported
Power	Supply	Dual power supply, Pluggable module design 2DC or 2AC or DC+AC -38~-62VDC or 100 ~ 240V AC
		Consumption
	Working Environment	Temperature
Relative Humidity		≤90% (non-condensing)
Dimension	W x H x D (mm):	440 x 44 x 231

Typical Application



Point to Point Application



Point to Multipoint Application

Interoperability Table with Wireless Bridges

LOGO	Manufacturer	Place	Model
 <p>MOTOROLA intelligence everywhere™</p> <p>CANOPY™ Motorola Wireless Internet Platform</p>	MOTOROLA	USA	CANOPY 5700BH, 5700BH20, BH45, Gemini series, Spectra series etc.
 <p>alvarion We're on your wavelength.</p>	Alvarion	Israel	BREEZENET DS.11, 28B, LBetc
 <p>proxim WIRELESS NETWORKS</p>	Proxim	USA	Tsunami™ series, QuickBridge20etc
	Wi-Comm United	Canada	Ultima 3 series Libra 5800 series
 <p>InfiNet wireless</p>	Infinet Wireless	Russia	RWR 5000mini
Note: More wireless bridges are supported			