H0FL-EthMux V8

8xE1 over Ethernet Multiplexer (TDM over IP)

❯ Overview

As a cost effective solution for the traditional telecom services migrate to the IP packet networking technology, H0FL-EthMux V8 adopts the innovative TDM over IP technology, it transports the legacy E1 data through the existing Ethernet or IP network.

H0FL-EthMux V8 is the new generation of the TDM over IP equipment with IP circuit emulation that supports transportation of eight E1 and two local Ethernet ports over Ethernet or IP network. The uplink ports and user data ports 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 H0FL-EthMux V8 to provide legacy TDM services over wired or wireless packet network.

Features

1. User-friendly Web server supported for easy setup and maintenance

2. Support SNMP V1 and V2 network management

3. Provide alarm log

4. Point to point and point to multipoint supported

5. 8 E1 Ports supported

6. Uplink ports 1+1 backup supported

7. Stable E1 clock recovery, low jitter and wander

8. Low processing delay for E1 channels, high bandwidth usage efficiency

9. Resist to packet loss, with PCM frame synchronization protection

10. User definable encapsulation packet size for different application

11. Support Ethernet encapsulation and UDP/IP protocol encapsulation.

12. Support VLAN settings for E1 service and in band VLAN management.

13. Enough jitter buffer to resist packet delay variation (PDV)

14. Local Ethernet port throughput limiting, assuring E1 QoS

15. Local and remote E1 LOS and AIS and packet loss indication for trouble-shooting and maintenance

16. Support cascade concatenate for more than 8 E1 ports

Technical Specifications

Point to Point Application

Point to Multipoint Application