H0FL-EthMux SA63 STM-1 over GE Multiplexer
(SDH over IP)

Overview:

As a cost effective solution for the traditional telecom services migrate to the IP packet networking technology, H0FL-EthMux SA63 adopts the innovative TDM over IP technology, with IP circuit emulation that supports transportation of 1xSTM-1(63 E1/VC-12) over GE port. The uplink ports and user data ports are IEEE 802.3 compliant, 10/100/1000M auto-sensed Ethernet ports.

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.

H0FL-EthMux SA63 has 2 power slots, 1 STM-1 slot，1 GE uplink slot and 1 External clock interface slot.

H0FL-EthMux SA63 can aggregate 63 E1 over IP remote services to 1 STM-1 port. Remote CPEs could be other members in H0FL-Ethmux family such as EthMux V16, EthMux V8, EthMux V804, EthMux V802, EthMux V801 etc. to run legacy E1 services. Telecom and Enterprise users can save a lot of access and equipment costs and generates new revenue by offering different types of services over their packet-switched infrastructure.

Features

1. Support IETF RFC4553 SAToP protocol, Ethernet encapsulation support IP/UDP.
2. Provide 5 GE electrical ports and 1 GE optical port, 6 GE ports serve as network uplinks or users ports, Anyone of 5 GE electrical ports may act as NM port
3. User-friendly Web server supported for easy setup and maintenance
4. Support SNMP V1/V2 network management
5. STM-1 card has 2 port, support local clock, STM-1 line clock and external clock.
6. Ethernet built-in layer 2 switch, support VLAN(port based, 802.1Q based and QinQ based), QoS(port based、8021.1P based、MAC based and TOS based).

7. Ethernet support IEEE 802.3x, RSTP (802.1w), LLDP, Ethernet ring protection, OAM and MAC address automatic learning
8. Ethernet packet size up to 9720byte
9. Point to point and point to multipoint supported
10. Local Ethernet port throughput limiting
11. Software and hardware online upgrade

12. Power supply redundancy

Technical Specifications

Item		Description
Model	H0FL-EthMux SA63	2 PWR slots 1 STM-1 slot 1 Ethernet uplink slot 1 External clock interface
Service card	Ethernet uplink card	5 GE electrical ports and 1 GE optical port Comply with IEEE 802.3, 802.1Q, 802.1P, 802.3x Speed and duplex auto-negotiation or manual
	STM-1 card	2 port Default SC/PC
Power	Supply	2 power slots
		AC 220v power module
		AC 110v power module
		DC -48v power module
	Consumption	40W
Working Environment	Temperature	0~ 50°C
	Relative Humidity	90% (non-condensing)
Dimension	W x H x D (mm):	1U: 440 x 44 x 231 (mm)

Typical Application
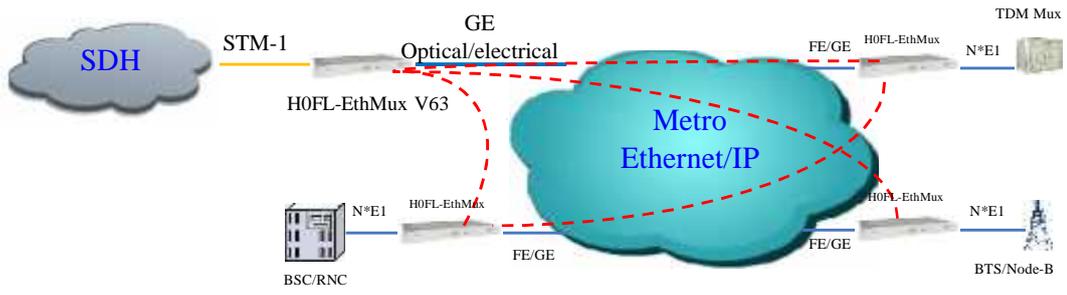
Point to multipoint application
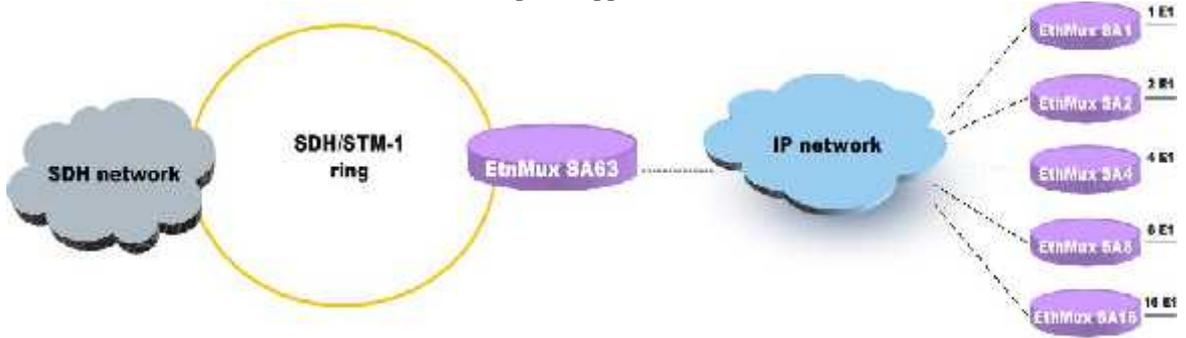
GE to STM-1 ring application