

## H0FL-EthMux SAP 1601 1602 TDM over IP Multiplexer



### Overview:

As a cost effective solution for the traditional telecom services migrate to the IP packet networking technology, H0FL-EthMux SAP 1601 1602 adopt the innovative TDM over IP technology, with IP circuit emulation that supports transportation of 1/2 E1 over FE port. The uplink ports and user data ports are IEEE 802.3 compliant, 10/100 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 SAP1601/1602 has a POE power unit embedded, support maximum 60W power over Ethernet.

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 SA1604/1608/16 to provide legacy TDM services over wired or wireless packet network

### Features

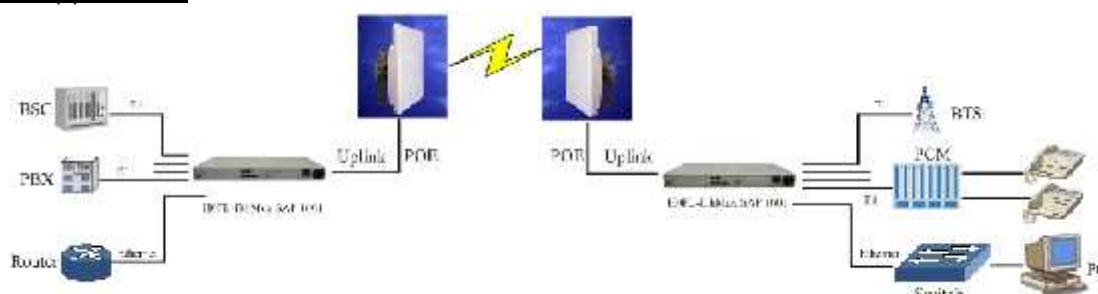
1. Support IETF RFC4553 SAToP protocol, Ethernet encapsulation support IP/UDP.
2. Provide 4 FE electrical ports and 1 FE optical port, 2 uplink ports, 2 local data ports or monitoring ports, optical port can be used for uplink or local data.
3. User-friendly Web server supported for easy setup and maintenance
4. Support SNMP V1/V2 network management
5. E1 clock supports 3 mode: local clock, adaptive and loopback
6. E1 service support lossy and lossless protection
7. Ethernet built-in layer 2 switch, support VLAN(port based, 802.1Q based and QinQ based), QoS(port based, 802.1P based, MAC based and TOS based).
8. Ethernet support IEEE 802.3x, RSTP (802.1w), LLDP, Ethernet ring protection, OAM and MAC address automatic learning
9. Ethernet packet size up to 9720byte
10. Support POE (maximum power: 60W)

11. Point to point and point to multipoint supported
12. Local Ethernet port throughput limiting
13. Software and hardware online upgrade
14. Power supply redundancy

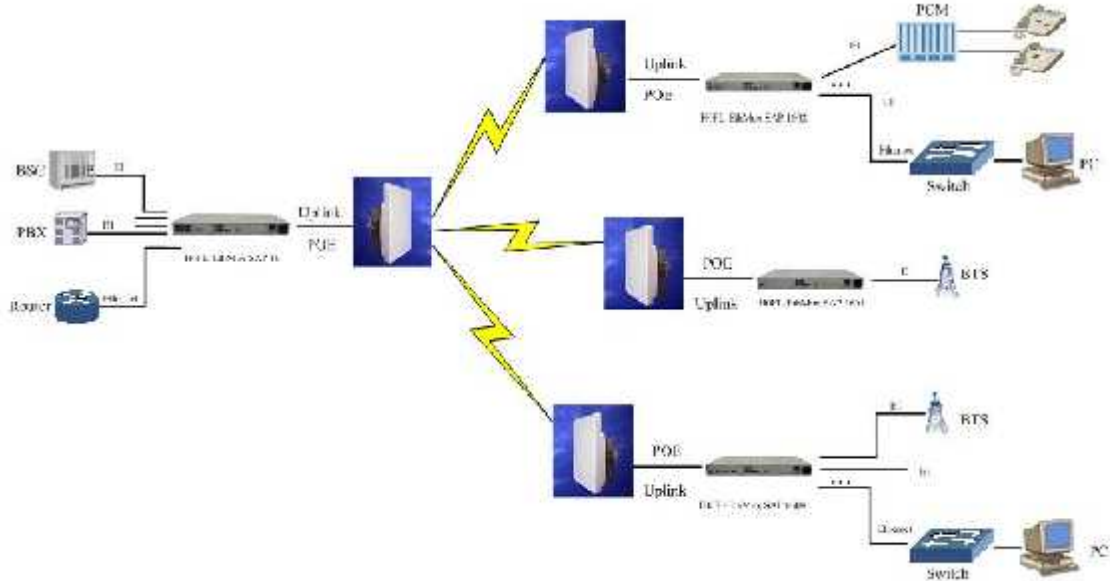
### Technical Specifications

Item	Description	
Model	H0FL-EthMux SAP 1601 1602	1 POE PWR slot(AC+DC)  1 E1 interface slot  1 Ethernet uplink slot
Service card	Ethernet interfaces	4 FE electrical ports and 1 FE optical port  Comply with IEEE 802.3, 802.1Q, 802.1P, 802.3x  Speed and duplex auto-negotiation or manual
	E1 interface	H0FL-Ethmux SAP1601: 1 E1 ports  H0FL-Ethmux SAP1602: 2 E1 ports
Power supply		1 POE PWR module(AC+DC)
POE	Maximum power	60W
Working Environment	Temperature	0~ 50°C
	Relative Humidity	90% (non-condensing)
Dimension	W x H x D (mm):	1U: 440 x 44 x 256 (mm)

### Typical Application



Point to point application



Point to multipoint application