

RF-1/2xE1-4ETH-TDM

E1 (TDM) over IP Multiplexer



Overview:

As a cost effective solution for the traditional telecom services migrate to the IP packet networking technology, RF-1/2xE1-4ETH-TDM 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.

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 RF-1/2xE1-4ETH-TDM to provide legacy TDM services over wired or wireless packet network

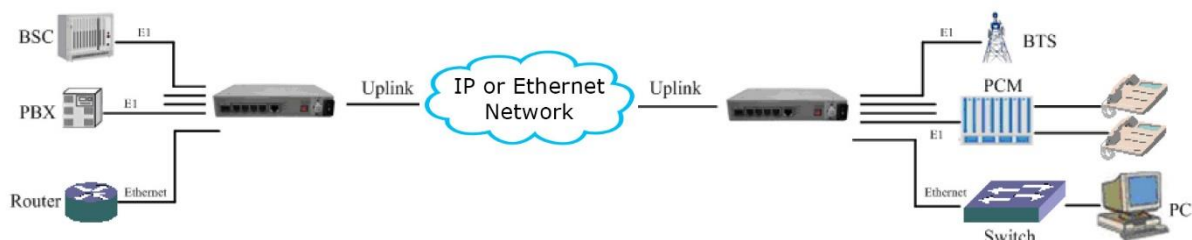
Features

1. Support IETF RFC4553 SAToP protocol, Ethernet encapsulation support IP/UDP,L2TPv3 and MPLS.
2. Provide 4 FE electrical ports and 1 FE optical port, 2 uplink ports, 2 user data ports or monitoring ports, optical port can be used for uplink or user 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. 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, Trunk, LACP, RSTP (802.1w), LLDP, CDP, 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	RF-1/2xE1-4ETH-TDM	2 uplink, 1/2 E1/T1s
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	RF-1xE1-4ETH-TDM : 1 E1 ports RF-2xE1-4ETH-TDM : 2 E1 ports
Power	Supply	AD or DC DC -48V (-32V~-72V) AC 220V (165V~265V)
	Consumption	<40W
Working Environment	Temperature	0~ 50°C
	Relative Humidity	<90% (non-condensing)
Dimension	W x H x D (mm):	185 x 35 x 136.5 (mm)

Typical Application



Point to point application