2E1 over Ethernet Multiplexer

(TDM over IP)

Model: AZ-2E1-IP-mini

Brief Introduction

As a cost effective solution for the traditional telecom services migrate to the IP packet networking technology, AZ-2E1-IP-mini adopts the innovative TDM over IP technology, it transports the legacy E1 data through the existing Ethernet or IP network.

AZ-2E1-IP-mini is the new generation of the TDM over IP equipment with IP circuit emulation that supports transportation of E1 over Ethernet or IP network. The uplink ports are IEEE 802.3 compliant, 10/100BaseT auto-sensed Ethernet port.

The Ethernet over E1 converter is a mini type device,which only half occupation of 19" device.It is very convenient for customer to use it.

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 AZ-2E1-IP-mini to provide legacy TDM services over wired or wireless packet network.

Features:

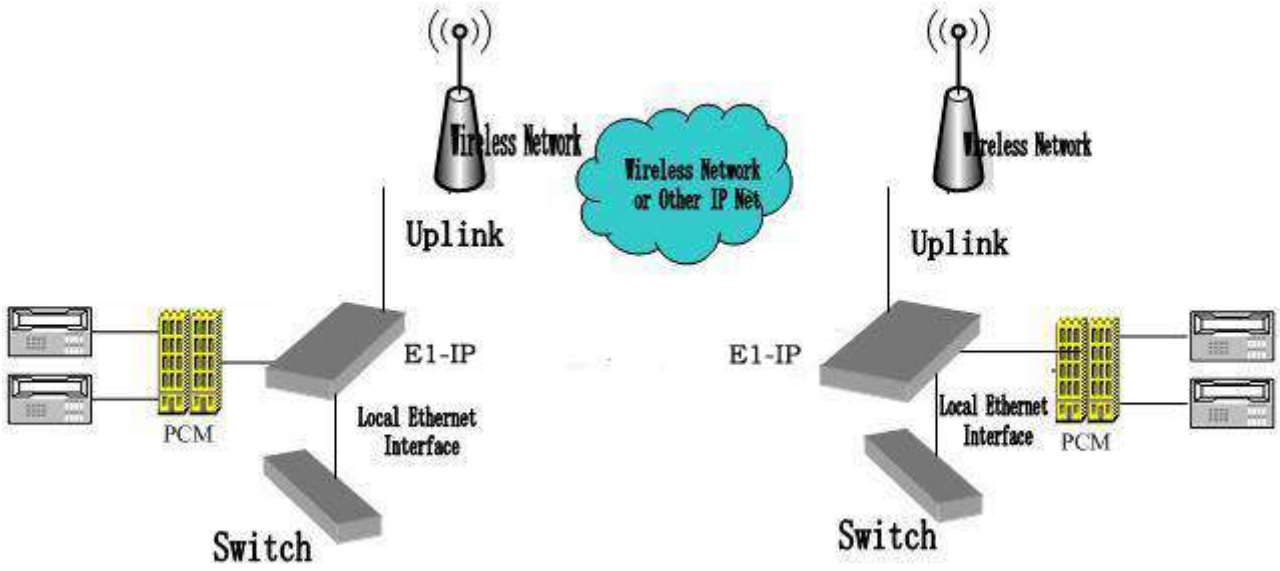
1. User-friendly Web server supported for easy setup and maintenance
2. 2 Uplinks, 2E1/T1s
3. Stable E1 clock recovery, low jitter and wander
4. Low processing delay for E1 channel, high bandwidth usage efficiency
5. Resist to packet loss, with PCM frame synchronization protection
6. User definable encapsulation packet size for different application
7. Support Ethernet encapsulation and UDP/IP protocol encapsulation.
8. Support VLAN settings for E1 service and in band VLAN management.
9. Enough jitter buffer to resist packet delay variation (PDV)
10. Local and remote E1 LOS and AIS and packet loss indication for trouble-shooting and maintenance

Technical Specifications:

Item	Description		
Model	AZ-2E1-IP-mini	2 Uplinks(1+1), 2 E1/T1s	
Interfaces	Uplink	2 Uplink Ports Comply with IEEE 802.3 802.1Q, 802.1P, 802.3x,802.1D Speed and duplex auto-negotiation or manual Web Manager Supported	
	E1 Port	2 E1 Ports Comply with G.703 G.704 G.742, G.823 Impedance: E1-120Ω/T1-100Ω or 75Ω Bit rate interface: 50 ppm + -	
Power	Supply	A	DC -48V（-36V ~ -72V）
		B	AC ~220V（100V ~ 260V）
	Consumption	≤3W	
Working Environment	Temperature	0~ 50°C	
	Relative Humidity	≤90% (non-condensing)	
Dimension	W x H x D (mm):	185x35x 136.5	

Typical Application:

Point to Point Application



Interoperability Table with Wireless Bridges:

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