

E1 Access Series ETU05



16/ 30 channels E1 Voice Multiplexer

The physical representation of the ETU05-16/30 voice multiplexing device is shown in the picture on the right. Utilizing advanced digital time-division multiplexing technology, a single ETU05-16/30 voice multiplexing device can connect up to 30 external user lines with one E1 channel in a 1U standard case. The unit can be cascaded to increase user capacity and realize seamless and smooth expansion. The device has call/in and call/out bidirectional communication functions, user circuitry inverse cost counter function and provides a data interface that can connect with a user data interface (V.35 or R350) for

comprehensive access of voice and data. The E1 interface complied with ISDN PRI standard, D channel signaling interface with ISDN Q921/Q931 30B+D subset (Corresponds with GBYDN 034.1-034.4). This device has self-diagnostics and a remote maintenance function that can perform centralized remote surveillance, alarm, configuration, management and maintenance of all online ETU05-16/30 voice multiplexing devices.

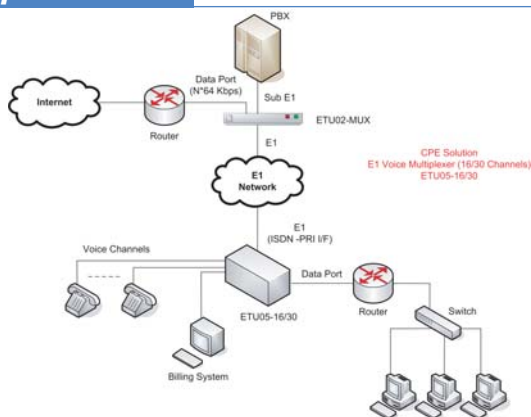
Features

- PBX line extender over E1, ISDN PRI
- This device corresponds with ISDN user-network interface regulation established by the original Ministry of Post and Telecommunication:
YDN 034.1-1997/YDN 034.2-1997/YDN 034.3-1997/YDN 034.4-1997
- This device complies with the following related industrial standards for telephony exchanger network access examination of public telephony network:
GB3378 (Telephony autoexchange network user signal mode)
GB3380 (Telephony auto exchange network bell stream and signal tone)
GB6879 (Technical specification of 2048KBIT/S 30 circuit impulse code modular multiplex device)
GB/T5444 (User signal technical indices test method of telephony auto exchange network)

Specifications

E1 interface		
Frame format	CCS(PCM31)	
Bit rate	2.048Mbps	
Line Code	HDB3	
Receiving level	-20/ -43dB	
Line Impedance	Unbalanced 75 Ohms ± 5%	
Jitter Performance	Complies with ITU-T G.823	
Recovery clock	From E1 circuit receive signal	
Internal clock	2.048Mbps ±50ppm	
User Line Interface		
Line Impedance	600 Ohms	
Feedback current	25mA	
Exterior line length	> 4Kms	
Bell stream parameter	Effective value 90V, 25Hz	
Data Port Interface		
Interface type	V.35, RS-530	
Interface rate	N x 64Kbps	
General Specification		
Case	1U 19 inch standard case	
Power	AC	90 — 250 VAC
	DC	-48 (-40 — -57)VDC
Environment	Temperature	0 — 40°C (Operating); 0 — 70°C (Storage)
	Humidity	0 — 90% non condensing
Power Consumption	10W	
LEDs	PWR, Alarm, Work	
Dimensions(WxDxH)	440mm x 380mm x 45mm	
Weight	2.5kg	
Surge Protection	DC Sparkover Voltage: 230±0% Impulse	
Compliance	ITU G.703, G.704, G.706, G.732, G.823	

Application



Ordering Info

ETU-05-16-AC	AC model, up to 16 channels voice multiplexing, with Dataport module
ETU-05-16-DC	DC model, up to 16 channels voice multiplexing, with Dataport module
ETU-05-30-AC	AC model, up to 30 channels voice multiplexing, with Dataport module
ETU-05-30-DC	DC model, up to 30 channels voice multiplexing, with Dataport module

Optional Interface cables	
CAB-DB25DB25M	RS-530 (RS-232)Extension cable (Male)
CAB-DB25DB25F	RS-530 (RS-232)Extension cable (Female)
CAB-DB25MB34M	V.35 adapter cable (Male)
CAB-DB25MB34F	V.35 adapter cable (Female)
CAB-DB25DB15M	X.21 adapter cable (Male)
CAB-DB25DB15F	X.21 adapter cable (Female)
CAB-DB25DB37M	RS-449 adapter cable (Male)
CAB-DB25DB37F	RS-449 adapter cable (Female)