

1U, 8/16 Channel E1 Digital Cross Connect

ETU-DXC



The ETU-DXC is a 1U 19" stand-alone or rack mountable Digital Cross Connect offering two models; the ETU-DXC/8 and the ETU-DXC/16. These units provide 8 or 16 E1 circuits (inputs and outputs) respectively. Within the E1 circuits, non-blocking, fully transparent cross-connects between 64Kbps timeslots can be efficiently implemented. This equipment may be used as a core building block in a Digital Data Network (DDN) based upon multiple E1 lines. When combined with Time Division Multiplexing (TDM) equipment such as the ETU02-MUX or ERM-MUX/PLUS, the main functions of a DDN network may be performed. Local control is provided via an RS-232 menu driven console port and remote management using proprietary NMP software. This equipment does not support signaling and is therefore not applicable for voice applications.

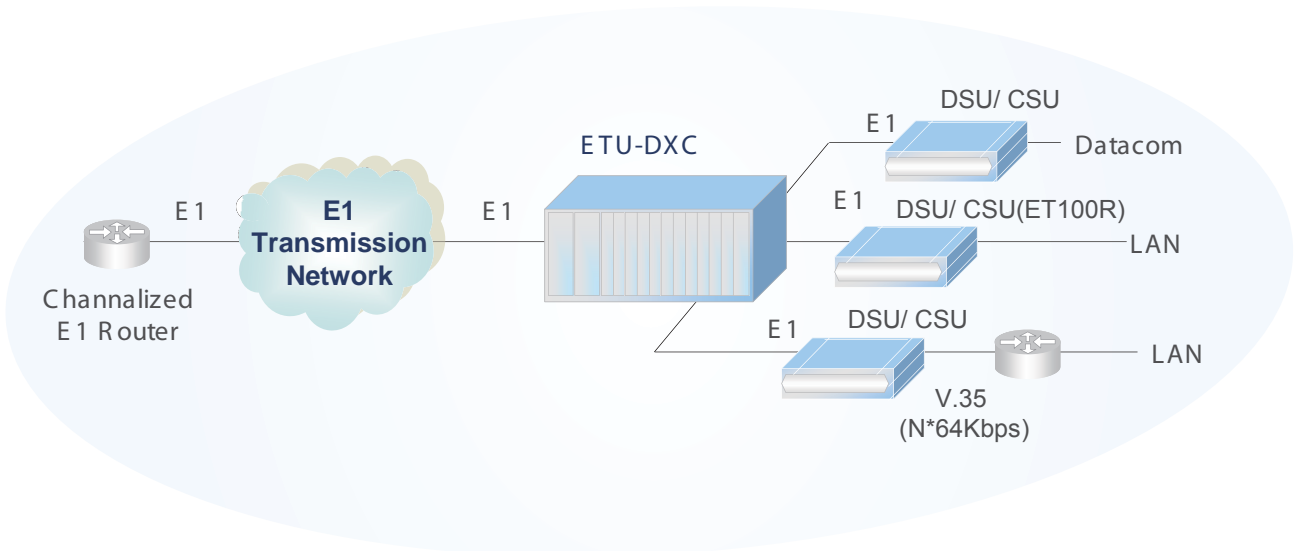
Features

- 1U 19(23)" stand-alone rack, 8 or 16 E1 port
- Balanced E1 (120ohm) or unbalanced E1 (75ohm) switchable
- Complies with all ITU-T specifications
- E1 point-to-point 64Kbps transparent data cross connect
- Supports console terminal menu configuration and proprietary NMS
- System clock recovered from any E1 or from internal oscillator

E1 interface

Framing	Unframed/ Framed
Bit rate	2.048Mbps±50 ppm
Line Code	AMI/ HDB3
Receiving level	-20 / -43dB
Line Impedance	75 ohm(BNC) / 120 ohm (Molex, RJ-45)
Jitter Performance	According to ITU-T G.823
Pulse amplitude	Nominal 2.37V ±10% for 75ohm Nominal 3.00V ±10% for 120ohm
Connector	DB25 with cable adapter
Management	NMP management system
Diagnostics	Local digital, local analog, remote loopback
E1 system Tx clock:	
Recovery: Recovered from any one E1 Rx signal	
Internal: 2.048MHz±50ppm internal oscillator	
LEDs (Power, Alarm, Activity)	
ITU-T G.703, G.704, G.706, G.732 and G.823	
Power Input	AC: 100-240VAC DC: -18 ~72VDC
Power Consumption	20W
Dimensions	235 x 430 x 45mm (D x W x H)
Weight	2.5kg
Temperature	0-50°C (Operating) , -10-70°C (Storage)
Humidity	10-90% non-condensing
MTBF	57,000 hrs (25°C)

Indications
Standard
Power Input
Power Consumption
Dimensions
Weight
Temperature
Humidity
MTBF



Ordering Information

ETU-DXC/A- Model type

- 8-AC : 8 E1 with AC power
- 16-AC : 16E1 with AC power
- 8-DC : 8 E1 with DC power
- 16-DC : 16 E1 with DC power

Example: ETU-DXC/A-8-AC