

# E1 NTU Series ETU01-D



## Single-Port Fractional E1 Access Unit

The ETU01-D provides an economic digital access solution for E1 and Fractional E1 network services. A DTE device may be linked to an ETU01-D at data rates of 64Kbps to 2048Kbps. The ETU01-D features a fixed data port for standard interface - V.35. The ETU01-D supports local control and diagnostics via LCD display, keypad and LED status indicators located on the front panel as well as via an RS-232 console port in conjunction with a standard terminal. These features enable users to easily configure the unit, execute the in-service diagnostics and monitor the network status.

### Features

- Terminates E1 fractional E1 service
- In-band Control
- Integrates high speed data and E1 link with an intelligent E1/ Fractional E1 Access Unit.
- IDLE Code: 00-FF by user setting
- Selectable data rates: Nx64Kbps, Nx56Kbps (N=1~32)
- Setup and Control via front Panel with LCD display or ASCII terminal
- SNMP enabled device (optional)\*

\* to be announced

### Specifications

Local Control	16 x 2 character LCD with backlight	
Data Rates	N x 64Kbps, Where N equal 1 to 31 in CCS, and N equal to 30 in CAS	
Connector	BNC & RJ-45 (USOC RJ-48C)	
Framing	Unframed/ Framed CCS(PCM31)/ CAS(PCM30)/ CRC4 on/off	
Bit rate	2.048Mbps ±50 ppm	
Line code	AMI/ HDB3	
Line impedance	75 ohm(BNC); 120 ohm(RJ-45)	
Relative receive level	0 to -43dB	
Transmit level	Pulse amplitude	Nominal 2.37V ±10% for 75ohm Nominal 3.00V ±10% for 120ohm
Zero amplitude	±0.1V	
Loopback	Line loopback; Payload loopback Local loopback; DTE loopback	
Transmit frequency tracking	Internal timing ±30 ppm Loopback timing ±50 ppm External timing ±100 ppm	
Jitter performance	According to ITU-T G.823	
BERT Test patterns	2047, 2e15-1, QRSS	
Power	AC	90 — 250 VAC
	DC	36 — 75 VDC
Environment	Temperature	0 — 50°C (Operating); 0 — 70°C (Storage)
	Humidity	0 — 90% non condensing
Power Consumption	10W	
LEDs	PWR, Signal Loss, SYNC Loss, Alarm, TD, RD, Error, Test	
Dimensions(WxDxH)	195mm x 255mm x 45mm	
Weight	1.5kg	
Surge Protection	DC Sparkover Voltage: 230±20%	
Compliance	ITU-T G.703, G.704, G.706 and G.732 and ETSI ETS 300 420	
MTBF	TBA	

### Ordering Info

ETU01-D/AC	ETU01-D & universal AC power supply
ETU01-D/DC	ETU01-D & DC power supply



### Application

