



# ETU01-Plus

## Single V.35 Port E1 CSU/DSU

The ETU01-Plus stand-alone CSU/DSU is a digital access unit for Unframed E1 or Fractional E1 service. The ETU01-Plus data channel supports user-selectable transmission rates via randomly selected E1 timeslots, which provides integral multiples of 64kbps, up to a maximum 2.048Mbps (unframed), for a line attenuation of up to 43 dB on twisted pair or coax cable. This provides an approximate operating range up to 2km (using 22AWG). The ETU01-Plus packs the data channels into the E1 link in user-selected time slots. The ETU01-Plus front panel sports status LEDs for monitoring the CSU and DSU conditions and pushbutton switches for initiating local and remote loopback with integral BERT. The ETU01-Plus features a fixed on-board V.35 interface.

### Features

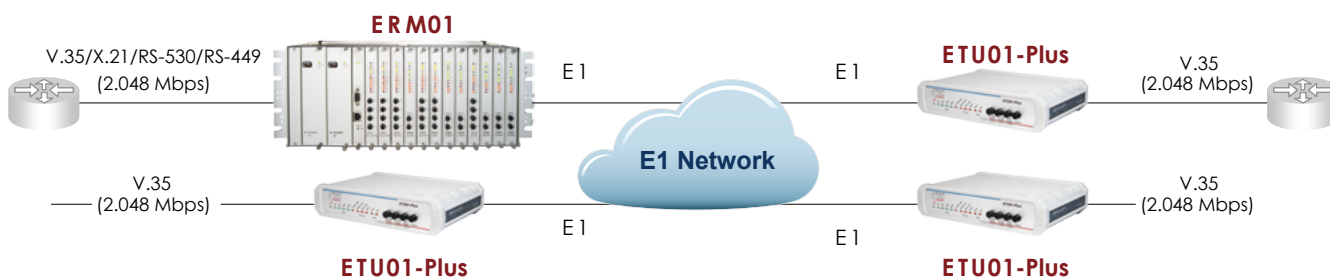
- Supports Fractional E1 and Unframed E1 service with EOC control
- Model with fixed V.35 interface for price critical applications
- Multiple clock source selection (Internal or External: E1 recovery, DTE or DCE)
- Built-in BERT with V.54 diagnostic capabilities for performing local and remote loopback
- Fixed V.35 port with MB34F connector
- I/O connectors all located on rear panel

### Specifications

<b>G.703 E1</b>	Framing	Framed CCS (PCM31) CAS (PCM30)/ Unframed CRC4 on/off
	Line Code	AMI/ HDB3
	Data rate	N*56K or N*64Kbps, where N=1~31 in CCS or N equal 1~30 in CAS
	Relative receive level	-43dB
	<b>Transmit level:</b>	
	Pulse Amplitude	Nominal 2.37V ±10% for 75 ohm Nominal 3.00V ±10% for 120 ohm Zero amplitude ±0.1V
	Jitter performance	According to ITU-T G.823
	Connectors	BNC(unbalanced), RJ-48(balanced)
	<b>Clock modes:</b>	
	Clock mode 0	Receive & transmit clock (DCE1) (recovered) to the sync DTE
	Clock mode 1	Receive & transmit clock (DCE2) (internal oscillator) to the sync DTE

<b>G.703 E1</b>	Clock mode 2	Receive clock to the sync. and transmit (DTE1) clock from the sync device
	Clock mode 3	Receive and transmit clock from the (DTE2) sync DCE (from ETC and ERC pin)
	Clock mode 4	Receive and transmit clock from the (DTE3) sync DCE (all from ETC pin)
<b>Indications</b>	LEDs (Power, TD, RD, RTS, DCD, Signal loss, Sync loss, Alarm)	
<b>Standards</b>	ITU-T G.703/G.704/G.706 & G.732	
<b>Power Input</b>	AC: 90-250VAC , DC: -18 ~ -75 VDC	
<b>Power Consumption</b>	10W	
<b>Dimensions</b>	195 x 160 x 45 mm (D x W x H)	
<b>Weight</b>	0.51kg	
<b>Temperature</b>	0°C ~ 50°C (Operating), -10°C ~ 70°C (Storage)	
<b>Humidity</b>	10 ~ 90% non-condensing	
<b>Certification</b>	CE, FCC, RoHS compliant	
<b>MTBF</b>	55,000 hrs	

### Application



### Ordering Information

Model Name	Type	Description
ETU01/Plus-AC	Power	1U, 19/2", Fixed V.35 port to framed E1 w/ built-in AC 90 ~ 250 VAC
ETU01/Plus-DC	Power	1U, 19/2", Fixed V.35 port to framed E1 w/ built-in DC -18 ~ -75 VDC

Power Type  
**ETU01/Plus** –    
 Example: ETU01/Plus – AC