E1 CSU/DSU Family Fractional E1 Access Unit

G703FE1

The G703FE1 stand-alone DSU/CSU is a compact, digital access unit for Unframed E1, Fractional E1, or Fractional cascaded E1 service. The G703FE1 data channel supports user-selectable transmission rates via randomly selected E1 timeslots, which provides integral multiples of 64kbps, up to a maximum 2.048Mbps, 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 G703FE1 packs the data channels into the E1 link in user-selected time slots. The unused time slots can insert IDLE code (in frame mode) or insert receive side same timeslots data (in cascade mode). The G703FE1 top panel sports status LEDs for monitoring both the CSU and DSU condition and slide switches for initiating digital or analog loopback.

DIP switches set all E1 parameters and random timeslot assignment for easy 'set and forget' operation. The data port is a fixed RS-530 with adapter cables for V.35, X.21 or RS-449. The G703FE1 fully meets E1 specifications including ITU-T G.703, G.704, G.706, G.732, and G.823.

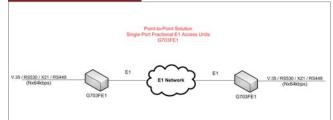
Features

- Supports Fractional E1 and Unframed E1
- Support fixed V35, X21, RS530, RS449, RS232 with cable adapter
- Easily configure with simple DIP switches (DTE, DCE, Framing, time slot, clock mode, etc.)
- Multiple clock source selection (Internal or External: E1 recovery, DTE or DCE)
- Manual switch for performing local and remote loopback

Specifications

Ports	Framing :	CAS/CCS, Unframed / Framed
G.703 E1 Specifications	Line Code :	HDB3
•	Bit rate:	2.048Mbps
	Relative recei	ve level: 0 to -43dB
	Transmit leve	: Pulse Nominal 2.37V ±10% for 75ohm
		Amplitude Nominal 3.00V ±10% for 120ohm
		Zero amplitude ±0.1V
	Jitter performance : According to ITU-T G.823	
	Connectors :	BNC(unbalanced), RJ-48(balanced)
	CRC check :	CRC-4 enable/disable
Data port Specifications	Type :	RS530, V35, RS449, X21
	Line code :	NRZ
	Data rate :	64kbps ~ 2.048Mbps
	Connector :	DB25F
LEDs	WAN port RD/RD	
Standard	ITU-T G.703, G.704, G.706 and G.823	
Power	DC 9V in	
Power Consumption	4W	
Dimensions	175mm x 99mm x 28mm	
(D x W x H)mm		
Weight	360g	
Temperature	0~50°C (Operating) ,0~70°C (Storage)	
Humidity	10~90% non-condensing	
Certification	CE, FCC, RoHS	
MTBF	57,000 hours	





Ordering Information

G703FE1 Data port to Unframed / Fractional (N64) E1