

## E1 NTU Series G703-FE1/ FE1-A/ E1-U



### Single-Port E1/ Fractional E1 Access Units

The G.703 FE1/ FE1-A/ E1-U Access Units are single port access units for Unframed E1 or Fractional E1 services, depending on the model. Data Port rates are selectable via DIP-switches, for any multiple of 64Kbps up to 2048kbps (Fractional models only). User data is placed into the E1 frame, using only the required number of timeslots. Timeslot assignment is accomplished according to the Data Port speed and irandomly selected by DIP switches. The main E1 link may be clocked from the recovered receive clock (LBT), from the data port, or from an internal oscillator.

The data channel interface is standard E1A-530. Adapter cables are available for V.35, X.21 and RS-449. The G.703 FE1/ FE1-A/ E1-U's DIP and slide switches, located on the side and front panels, provide for easy setup and control of all functions. The G.703/FE1-A model may be cascaded as an E1 Multiplexer. The unused channel timeslots will pass through E1/Rx to E1/Tx.

### Features

- Terminate E1/ Fractional E1 Service
- Clock Regeneration from incoming HDB3 data
- Decoded data in NRZ form
- Diagnostic loopbacks both for G.703 and Data Port sides
- Interface conversion between G.703 and RS-530, RS-449 (V.36), X.21 or V.35 interfaces (Cable Solution)
- LTU (Line Terminating Unit) built in unit
- DTE/ DCE switchable Data Port

### Specifications

Data rate	G703E1-U	2048kbps
	G703FE1/ FE1A	DIP selectable sync N x 64kbps to 2048kbps
Framing	G703E1-U	CAS/CCS, Unframe/Frame
	G703FE1/ FE1A	FAS (CCS, PCM-31); MFAS (CAS, PCM-30)
Power	DC 9VAC Adapter for 110VAC or 220VAC	
Environment	Temperature	0 — 55°C (Operating); 0 — 70°C (Storage)
	Humidity	10 — 95% non condensing
Power Consumption	G703E1-U	< 4W
	G703FE1/ FE1A	< 4W
LEDs	G703E1-U	E1 Signal, timing loss
	G703FE1/ FE1A	WAN port TD/RD
Dimensions(WxDxH)	G703E1-U	79mm x 135mm x 28mm
	G703FE1/ FE1A	99mm x 179mm x 30mm
Weight	G703E1-U	180g
	G703FE1/ FE1A	360g
Compliance	FCC part 15 class A, CE, ITU-T G.703, G.704, G.723, G.823	
MTBF	TBA	

### Ordering Info

G703-XXXXX/	XXX	X
	Copper Interface Type	Connector Type
G703-FE1	V35	F
G703-FE1-A	X21	M
G703-E1U	530	
	449	

Cables for different I/F solutions	
V35	DB25-V35 Cable
X21	DB25-DB15 Cable
530	DB25-DB25 Cable
449	DB25-DB37 Cable
Cables for connecting Cisco Routers directly	
CAB-DB25MLHF60M3M	RS-530 adapter cable for high speed transmission, connect to Cisco LHF60
CAB-DB25MSSHP26M3M	RS-530 adapter cable for high speed transmission, connect to Cisco SSHP26

Adapter	DC 9V — 48V adapter
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### Application

