

DCE/Fiber-T/E SERIES

Standalone T1/E1 Extender over Fiber



The DCE/Fiber-E is a fiber media E1 extender for G.703 E1 transmission. The BNC model provides unbalanced 75 Ohm coaxial connections while the RJ-45 model provides balanced 120 Ohm connections over twisted pair wiring. The DCE/Fiber-T is a fiber media T1 extender for G.703 T1 transmission and features an RJ-45 connector for connection to 100 Ohm twisted pair wiring. When the DCE/Fiber-T/E card is placed in the DCE/Fiber-T/E-SA-KIT with SNMP management, the card status, type, version, fiber link status, E1 or T1 link status and alarms can all be displayed. Configuration is also available to enable or disable the port, reset the port, do far end fault setting, and initiate local or far end loop-back tests.

Features

- Network Management via Terminal or SNMP in FRM301Chassis
- T1/E1 RJ-45 (USOC RJ-48C) or Coax (BNC) to Fiber Converter
- Support AMI or B8ZS/HDB3 line codes
- Unframed (transparent clear channel)
- User selectable line code setting, Far End Fault (FEF) setting, Loop back test

Specifications

Standard	E1: ITU-T G.703, G.704, G.706, G.732, G.823; T1: ITU-T G.703, G.704, AT&T TR-62411, ANSI T1.403	
LEDs	PWR, Fiber Link, Line (E1 or T1) Link, Test mode	
Power	DCE/Fiber-T/E-LP	External AC Adapter 9VDC @ 1A
	DCE/Fiber-T/E-UI	AC Model: 100 – 240 VAC ± 10%; Frequency: 50 — 60 Hz DC Model: 24 — 72 VDC ±10%
Environment	Temperature	0 — 50°C (Operating); 0 — 70°C (Storage)
	Humidity	20 — 80% non condensing (Operating); 10 — 90% (Storage)
Power Consumption	DCE/Fiber-T/E-LP	< 5W
	DCE/Fiber-T/E-UI	< 2W
Dimensions(WxDxH)	DCE/Fiber-T/E-LP	85.6mm x 122.6mm x 20mm
	DCE/Fiber-T/E-UI	85.6mm x 191.7mm x 30mm
Weight	DCE/Fiber-T/E-LP	300g
	DCE/Fiber-T/E-UI	AC model: 500g; DC model: 550g
Compliance	CE, FCC Class A	
MTBF	65000 Hours	

Ordering Info

DCE/Fiber-T/E Product Type	XXX- Interface Type	XX- Connector Type	XXX Connectivity Distance
DCE/Fiber-T/E-LP	E1R	ST	002: 2km
DCE/Fiber-T/E-UI	E1B T1R	SC LC	015: 15km
			030: 30km
			050: 50km
			080: 80km
			120: 120km
			*20A: 20km [WDM only]
			*20B: 20km [WDM only]
			*40A: 40km [WDM only]
			*40B: 40km [WDM only]
			*60A: 60km [WDM only]
			*60B: 60km [WDM only]

*20A must use couple with 20B
*40A must use couple with 40B

Application

