

Fiber Managed Platform FIB1-E1/T1 & FIB2-E1/T1

Stand-alone E1/T1 to Fiber Converter

The FIB1/FIB2-E1 is a fiber media transport 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 FIB1/FIB2-T1 is a fiber media transport for G.703 T1 transmission and features an RJ-45 connector for connection to 100 Ohm twisted pair wiring. When the FIB1/FIB2-E1 or T1 card is placed in the FRM301 rack 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 FRM301 Chassis
- 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	FIB1	External AC Adapter 9VDC@ 1A
	FIB2	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	FIB1	< 5W
	FIB2	< 2W
Dimensions(WxDxH)	FIB1	85.6mm x 122.6mm x 20mm
	FIB2	85.6mm x 191.7mm x 30mm
Weight	FIB1	300g
	FIB2	AC model: 500g; DC model: 550g
Compliance	CE, FCC Class A	
MTBF	65000 Hours	

Ordering Info

FIBX-E1/T1	XXX-	XX-	XXX
Product Type	Interface Type	Connector Type	Connectivity Distance
FIB1 Family	E1R	ST	002: 2km
FIB2 Family	E1B	SC	015: 15km
			030: 30km
	T1R	LC	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

