

In-band Managed Platform FRM220-E1/T1

Stand-alone E1/T1 to Fiber Media Converter



The *FRM220-E1/T1* 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 *FRM220-E1/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 *FRM220-E1/T1* card is placed in the FRM220 rack with in-band 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 FRM220 Chassis
- T1/E1 RJ-45 (USOC RJ-48C) or Coax (BNC) to Fiber converter
- Supports AMI or B8ZS/HDB3 line codes
- Unframed (transparent clear channel) mode supports point to point (CPE) solution with FRM220-DATA
- N x 64K (fractional E1) mode also supports point to point (CPE) solution with FRM220-DATA
- User selectable line code setting, Far End Fault (FEF) detection, Loop back test

Specifications

E1/T1 Interface Specification

- RJ-45 (120 ohms) and BNC (75 ohms) for E1 connectors and RJ-45 (100 ohms) for T1 connector
- Standard: E1: ITU-T G.703, G.704, G706, G.732, G.823
T1: ITU-T G.703, G.704, AT&T TR-62411, ANSI T1. 403

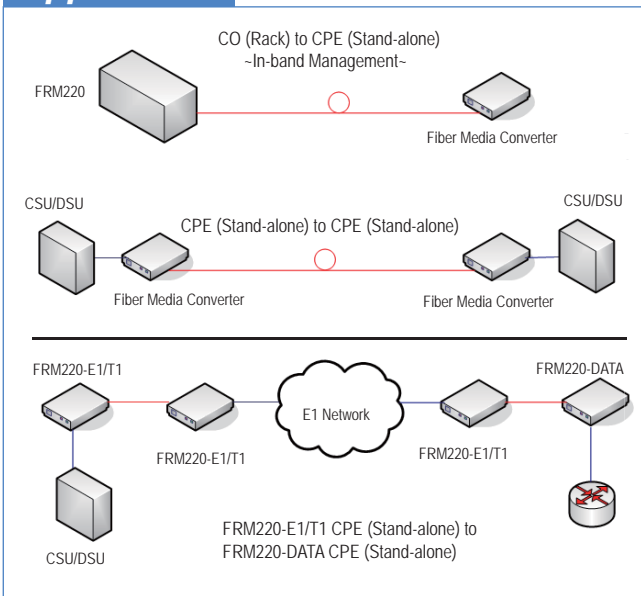
Fiber Interface Specification

- Transceiver Connector type: 155 Mbps SFP LC
- Wavelength: 1310nm, 1550nm,
- Fiber Type: 9/125um single mode; 62.2/125um multi-mode

General Specification

- 6 diagnostic LEDs : Power, FLK(FX-Link) , Test, Di/DO
- Temperature: 0 - 50° C (Operating);
0 - 70° C (Storage).
- Humidity: 20-80% non-condensing (Operating);
10-90% (Storage).
- Power: DC Jack : Switching adaptor (12V, 1A)
Consumption: < 4W
- Dimensions: 155mm x 88mm x 23mm (LxWxH).
- Weight: 120g.
- Compliance: FCC part 15, Subpart B, Class A,
ANSI C63.4:2003
CE EN55022:2006, Class A
EN55024:1998+A1:2001+A2:2003
LVD: EN60950-1:2001
- MTBF: 65,000 h (25°C)

Application



Ordering Information

- *FRM220-E1/T1* In-band managed E1/T1 to fiber media converter slide-in card with RJ-45 connector
- *FRM220-E1B* In-band managed E1 to fiber media converter slide-in card with BNC connector