

In-band Managed Platform FRM220-DATA

Stand-alone V.35/RS-530/449/232/X.21 to Fiber Converter



The **FRM220-DATA** is a media converter for V.35, RS-232, RS-530, X.21 or RS-449 high-speed (8.192Mbps) synchronous or low speed synchronous and asynchronous data transmission over optical fiber media. When the **FRM220-DATA** card is placed in the FRM220 rack with SNMP management, the card status, type, version, fiber link status, data link status and alarms can all be displayed. Configuration is also available to enable or disable the port, reset the port, set the data rate, modify the clock mode, and initiate local or far end loop back tests.

Features

- 1 port data communication on HDB26 female (adapter cable required)
- Network management via Terminal or SNMP in FRM220 chassis
- Optical Bit Error Rate less than 10^{-11}
- User selectable data rate n x 64Kbps, up to 8Mbps
- Clock mode setting, synchronous & asynchronous configurable, loop back tests
- Compatible with FRM220-E1/T1 on same fiber link, on n x 64K mode (where n=1 to 32)

Specifications

Data-port (V.35) Interface Specification

- Interface Rate: 8.192Mbps+/-50ppm
- Connector: V.35 (DB25) female
- Interface type: DCE
- Clock: G.703 resume clock, internal /external clock

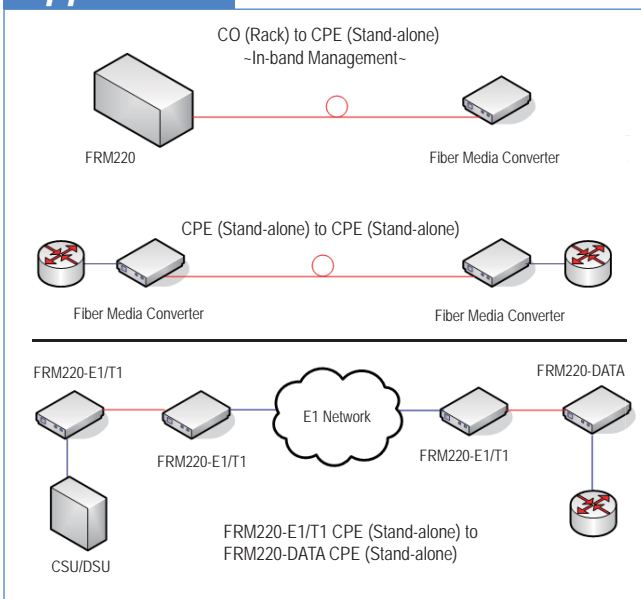
Fiber Interface Specification

- 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-V35** In-band managed E1 to fiber media converter slide-in card with DB25 female connector (DB25 male to MB34 female cable)
- **FRM220-X21** In-band managed E1 to fiber media converter slide-in card with DB25 female connector (DB25 male to DB15 female cable)
- **FRM220-232** In-band managed T1 to fiber media converter slide-in card with DB25 female connector
- **FRM220-530** In-band managed E1 to fiber media converter slide-in card with DB25 female connector
- **FRM220-449** In-band managed T1 to fiber media converter slide-in card with DB25 female connector (DB25 male to DB37 female cable)