

E-FIB-HX Interface Card

For Eclipse HX Matrix Systems

Linking
People
Together



E-FIB-HX Interface Card

Key Features and Benefits

- Fiber Interface Card
- For use with Eclipse HX Card Frames: HX-Omega, HX-Median and HX-Delta
- Up to 4 cards supported in HX-Delta and HX-Median frames
- Up to 6 cards supported in HX-Omega frame (with restrictions)
- Main and backup Fiber rings
- Single-Mode duplex LC connections
- Eclipse HX Configuration Software (EHX)
- Includes 2 Single-Mode SFP transceivers

Interface cards are 6RU frame cards for Eclipse® HX system frames that establish intelligent connections for high density, high performance and high reliability.

Description

E-FIB-HX fiber interfaces connect Eclipse HX matrices together to provide a high speed, dual redundant link to transfer audio samples and data between systems. The fiber card enables network connections to 63 other frames and can support up to 1024 audio channels which are allocated by EHX to connected Matrices. These connections can be configured to provide protection against the loss of a link or a node. E-FIB-HX cards should be installed in the last port slot.

Each E-FIB-HX fiber interface card set is comprised of:

- A front card with various status indicators
- Rear card with two Duplex LC Terminated fiber optic connectors (TXVRA and TXVRB)

E-FIB-HX cards use a port per channel. The card can be configured to use between 16 to 192 ports and can support up to 1024 audio channels which are allocated by EHX to the connected Matrices.

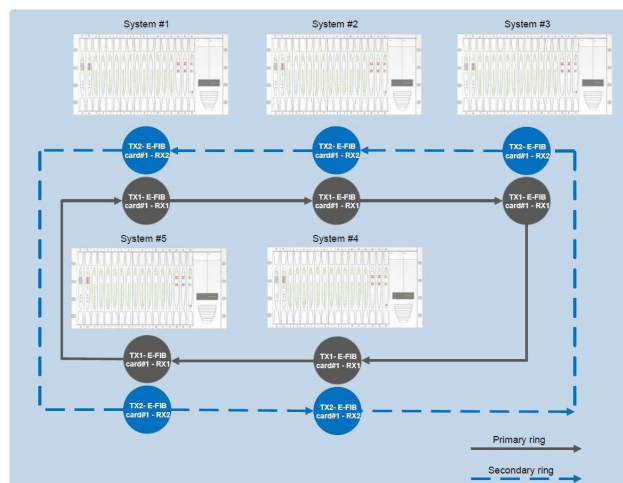


Figure 7-5: Example fiber-optic connection setup

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Technical Specifications

Power
+3.3V

Type
SR1 Short Range
SFP Transceiver
Minimum Power Budget
Wavelength: 1310nm
Connector: Duplex LC
Standard Max Node Length: 10km (other distances available to order)

Cable Type
Single Mode, 9/125µ

Environmental

Operating Temperature: 0°C to +40°C
Storage Temperature: -55°C to +70°C
Operating Humidity: 40 – 90%, non-condensing

Dimensions

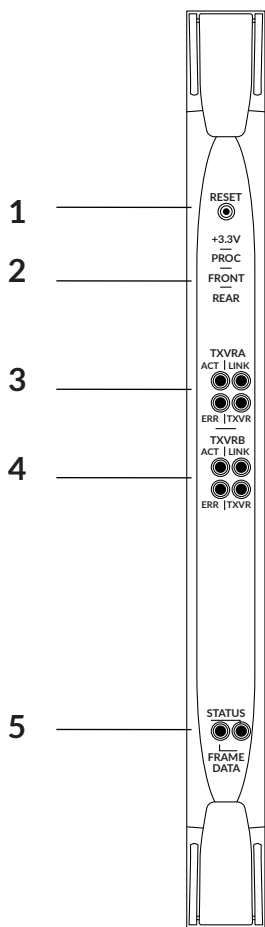
Height
6RU (vertically in Eclipse HX-Median and Omega frames;
horizontally in Eclipse HX-Delta frames)

Depth
Front Panel: 11.8in (300mm)
Rear Panel: 2.3in (58mm)

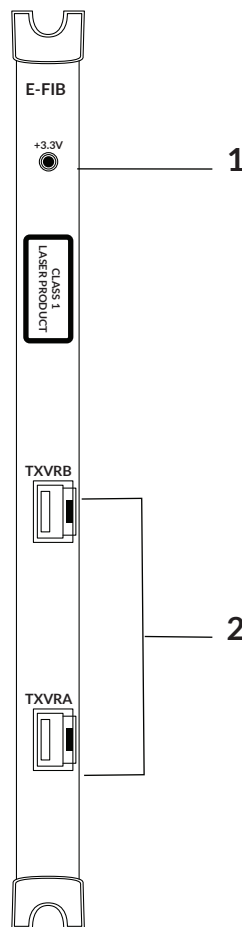
Weight

2.14lbs (0.97kg)

E-FIB-HX Front



E-FIB-HX Back



Legend

Front

1. Reset button
2. Power supply and status lights
3. Primary link status LEDs
4. Secondary link status LEDs
5. Status LED

Back

1. +3.3 Volt power supply LED
2. Fiber transceiver with duplex LC type connector

Order Codes

E-FIB-HX

480261Z:

Spare Single-Mode SFP Transceiver