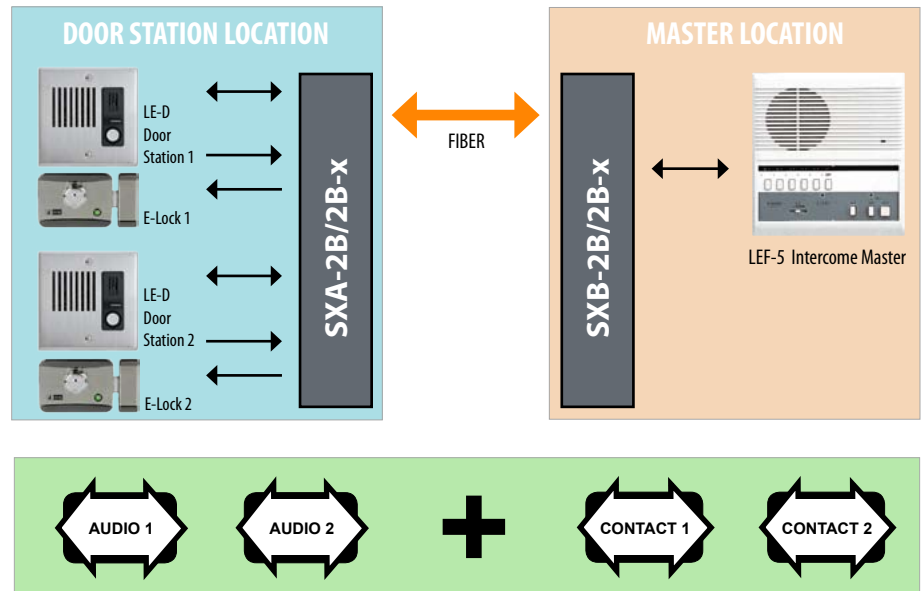


**Aiphone LEF & LEM Compatible  
Digitally Encoded Fiber Transmission System  
with Two Bi-directional Audio and  
Contact Closures**



#### FEATURES:

- Aiphone LEF & LEM system compatible
- Bi-Directional Contact Closures & half-duplex Audio
- Wide Optical Dynamic Range: Eliminates Need For Optical Attenuators
- Laser Based Systems for Multimode and Singlemode
- Local LED Status Indicators to Monitor Critical System Diagnostics for Performance Parameters
- ST, FC Optical Connector
- Hot Swappable Cards
- Laser Back - Biased Photo Detector Circuitry for Stable Optical Output Over Full Temperature Range.
- Convenient Screw Terminals Connectors for Audio & Contacts

#### DESCRIPTION:

This card is designed specifically to work seamlessly with the Aiphone LEF & LEM series intercom systems on one multimode or singlemode optical fiber.

The card features two Bi-directional channels of intercom-compatible Audio and two Bi-directional Contact Closures for push-to-call and gate or access control.

#### CONFIGURATIONS:

The DigiSlim product family is available as rack mount cards and modules that can be installed in any of Meridian's desk chassis or in 19" racking frames. This system can be configured in either star (module to rack) or trunking (rack to rack) configurations. These systems can be transformed in to a standalone module by utilizing an SR-500 (standard configuration) or an SR-1002 subrack frames.

#### MARKETS:

- ✓ Access Control

## SPECIFICATIONS:

### Contact Closure

Formats .....	Normally Open (N.O.) or Normally Closed (N.C.) - jumper selectable
Rate .....	10 Hz.(Per Channel)
Contact Rating .....	0.3A, 30V AC / DC
Contact Bounce Time .....	5 ms

### Audio

I/O Impedance.....	4-8 Ohm Unbalanced
I/O Level .....	-40 to +15 dBm
Frequency Response .....	10 Hz to 15 KHz
THD .....	<0.1%, 1 KHz @ max modulation
SNR .....	>65 dB (weighted)*

### Optical

Fiber Data Rate .....	125 Mb/s
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### Connectors

Optical .....	ST, FC
Power (module) .....	See SR-500 Brochure for Details
Audio/Contact Closures .....	14pin Screw Terminals

### Power \*\*

Card .....	6 Watts
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### Indicators (LEDs)

1 - Green .....	Power On
1 - Bi-color .....	TX Carrier/ Laser Over Current
1 - Bi-color .....	RX Carrier - Present / Error
4 - Bi-Color .....	Audio Present / Overmodulation
4 - Green .....	Contact Closure Present

### Physical

Dimensions (Card) .....	160 mm (6.3") L, 127 mm (5") W 20mm (0.80") W
Weight (Card) .....	450 gms (16 Oz)
No. of Slots .....	1
Module .....	See SR-500 Brochure

### Environmental

Operating Temperature ...	-34°C to +74°C
Storage Temperature .....	-55°C to +85°C
Relative Humidity .....	0 to 95% Non-condensing

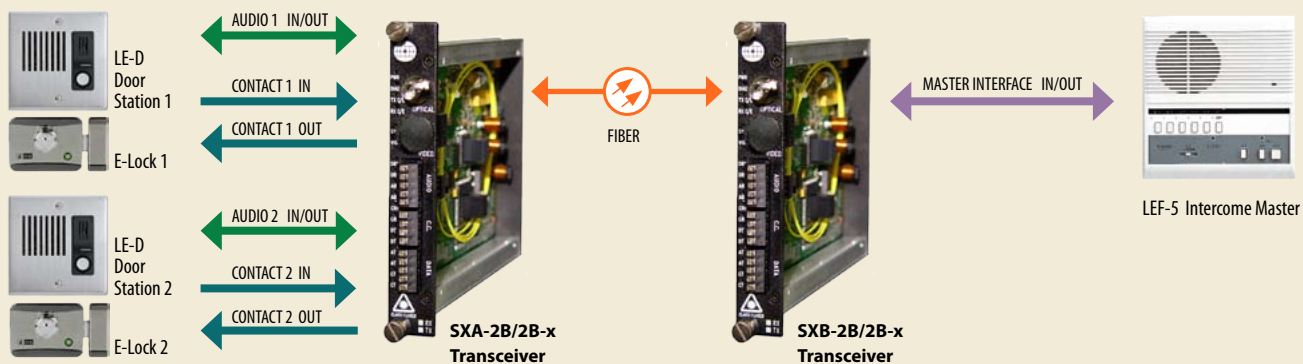
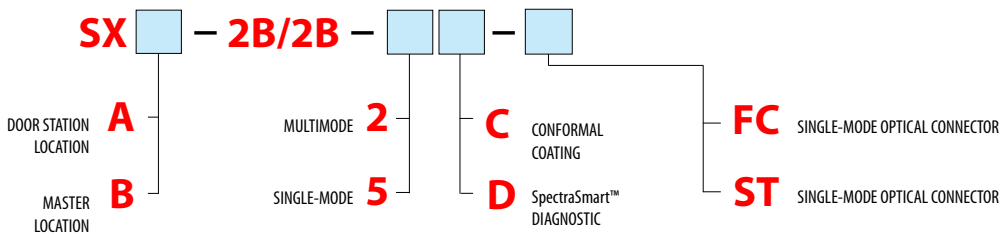
### Quality

MTBF .....	>170,000 hours @ Ground Fix 35°C per MIL217F
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\* measured @ max. optical budget

\*\* Due to variations of drivers and diagnostic options, power shown @ max value

## Part Numbers



## OPTICAL:

Meridian Optical Code	Fiber Type/Size (um)	Optical Output (dBm)	Receiver Sensitivity (dBm)	Optical Budget (dB)	Wavelength (nm)	Optical Connector	Optical Dynamic Range (dB)	Max Distance (Km)
2	Multimode (Laser) 62.5 / 125	-5	-26	21	1300/850	ST	26	7
5	Single-mode (FP Laser) 9 / 125	-5	-26	21	1310/1550	ST, FC	26	60

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