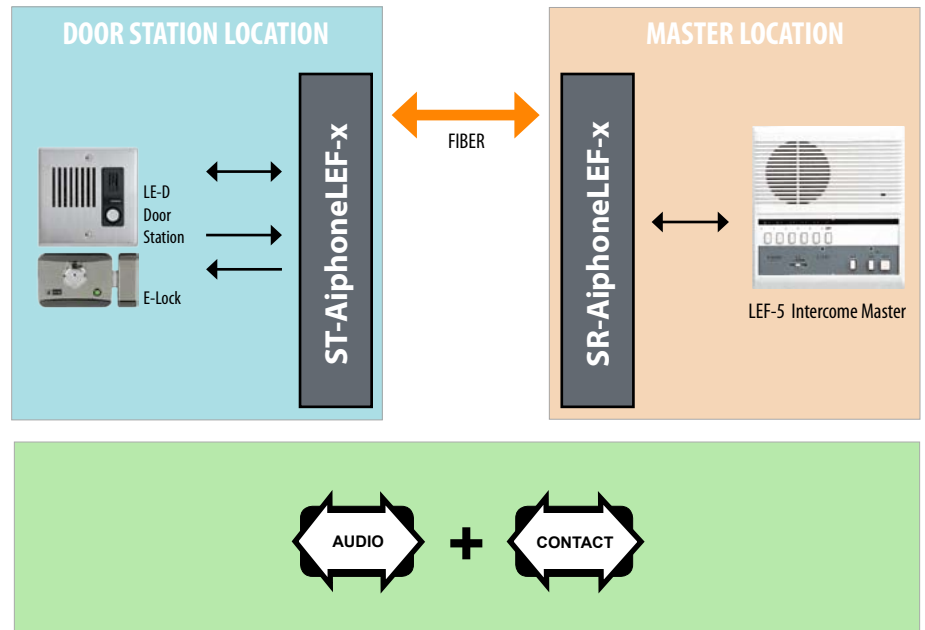


**Aiphone LEF & LEM Compatible
Digitally Encoded Fiber Transmission System
with Bi-directional Audio and
Contact Closures**


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 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 one Bi-directional channel of intercom-compatible audio and one 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-1001 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

* measured @ max. optical budget

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

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
2 - Bi-Color	Audio Present / Overmodulation
2 - 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

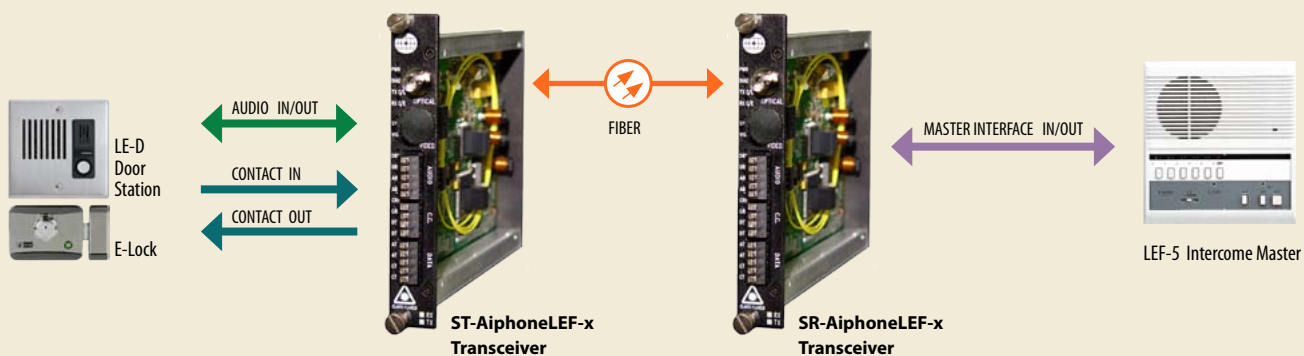
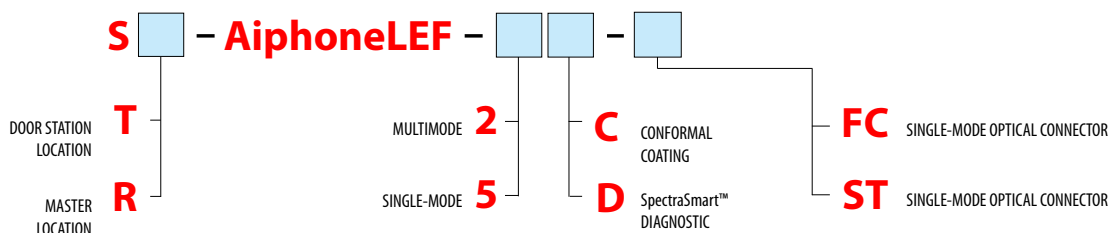
Environmental

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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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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