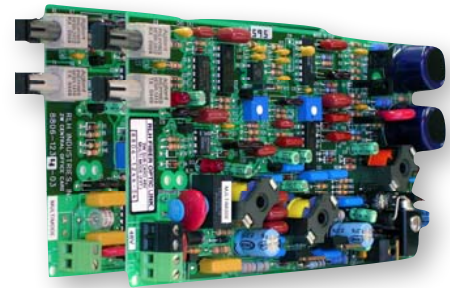


2 Wire DID Fiber Link Card System

The 2 Wire DID (Direct Inward Dialing) Fiber Link system provides a fiber optic transmission of a Telco DID TRUNK line to a PBX (loop start) over two optical fibers. The 2 Wire DID system transmits signals in the voice-frequency or audio range (300Hz-3.4KHz) while providing reverse battery signaling to communicate call status.

The 2 Wire DID Fiber Link Card system is compatible with any RLH Fiber Link card housing or shelf. The cards are temperature hardened for tough environmental conditions, and is covered by our **Limited Lifetime Warranty**.



2 Wire DID Fiber Link Card

Key Features

Environment

Hardened to operate in -40°F to +170°F (-40°C to +76°C)

Power

Sub (PBX) side card uses line power
CO (Trunk) side uses local 24~56VDC power

Application

Single-mode and Multimode fiber systems
ST or SC fiber connector types
Full duplex transmission when off-hook
Critical, high voltage, remote or un-manned locations operating 24/7/365

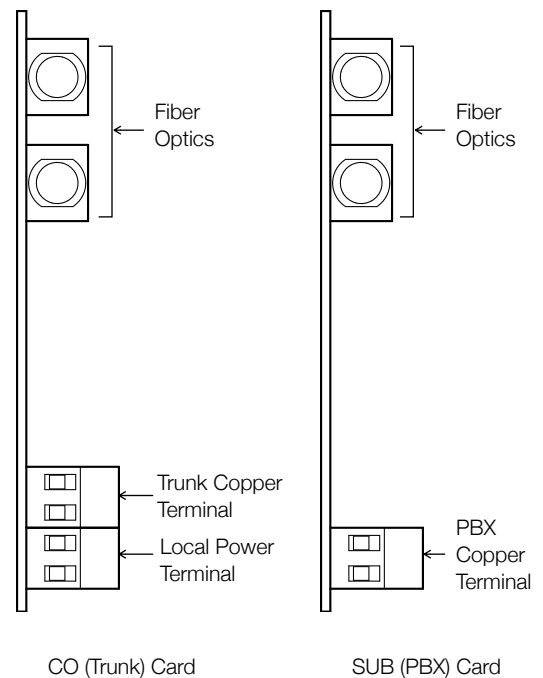
Compatibility

Compatible with 2 wire DID systems
May be used in a variety of RLH card housings

Quality

Made in the USA

Covered by our **Limited Lifetime Warranty**



Front Panel Features

Ordering Information

Optics	Distance	Fiber	Description	Part Number
Multimode ST	1.5 mi / 2.4km	62.5µm	CO (Trunk) Card	8806-1264-05
			SUB (PBX) Card	8806-1274-05
Multimode SC	1.5 mi / 2.4km	62.5 µm	CO (Trunk) Card	8805-1264-05
			SUB (PBX) Card	8805-1274-05
Single-mode ST	9 mi / 15km	8~9 µm	CO (Trunk) Card	8806-1262-03
			SUB (PBX) Card	8806-1272-05
Single-mode SC	9 mi / 15km	8~9 µm	CO (Trunk) Card	8805-1262-03
			SUB (PBX) Card	8805-1272-05
Long Haul Single-mode ST	37 mi / 60km	8~9 µm	CO (Trunk) Card	8806-1262-03-LH
			SUB (PBX) Card	8806-1272-05-LH
Long Haul Single-mode SC	37 mi / 60km	8~9 µm	CO (Trunk) Card	8805-1262-03-LH
			SUB (PBX) Card	8805-1272-05-LH

- ▶ 62.5µm multimode fiber compatibility is standard, add **-50** to part number for 50µm fiber compatibility
- ▶ Please contact your RLH sales representative for pricing and delivery information.

General Specifications

Transmission method	Frequency modulated light via two optical fibers.	Multimode: 850nm (Tx level: -26dB ± 1dB) Single-mode: 1310nm (Tx level: -29dB ± 1dB) SM Long Haul: 1310nm (Tx level: -6dB ± 2dB)
Maximum Fiber Loss / Distance*	Multimode: 10dB / 1.5 miles (2.5km) Single-mode: 8dB / 9 miles (15km) SM Long Haul: 26dB / 37 miles (60km); minimum 8dB	*Note: Distances equated using industry standard fiber and connector attenuation of 3dB/Km. Fiber condition, splices and connectors may affect actual range.
Fiber Type	Multimode: 62.5/125µm, 50/125µm ; Single-mode: 9/125µm	
Fiber Connector Types	ST or SC	
Wire Connector	Screw clamp, 12-26 AWG	
Frequency Response	300 Hz to 3.4 KHz+0.5dB to -2.0dB (Terminated 600 Ohms)	
DID Signaling	Reverse battery from the PBX is reflected on the CO Trunk Card	
DC Resistance Limits	1600 Ohms loop (including CO)	
Insertion Loss	0dB +/- 0.5dB each direction	
Surge Protection	PTC thermistors, zeners, diodes, thyristors and varistors	
Power Requirements	CO (Trunk) Card: 24-56VDC, On-hook 45mA maximum, off-hook 140mA max	Sub (PBX) Card: 12-56VDC (card will limit current to 24±2mA from PBX)
Powering Method	CO (Trunk) Card: Local isolated DC power source	Sub (PBX) Card: Line current from PBX
Operating Temperature	-40° to +158° F (-40° to +70° C), 95% non-condensing	
Dimensions	7"x 4"x 1", Standard RLH Fiber Link Card	
Warranty	Limited Lifetime	Visit www.fiberoptick.com for warranty details