

2 Wire Digital Phone Fiber Link Card System

The 2-Wire Digital Phone Fiber Link Card system interfaces a single line from a switch or digital PBX over fiber optic cable to a digital telephone that would otherwise be connected through a copper pair.

Electrical signals received from the copper pair are converted into optical signals and transmitted through fiber optic cable to the opposite end card. The optical signals are converted back to electrical signals and transmitted to the copper pair. Fiber optics not only extend transmission capability up to 1 mile (1.6km), but also provide immunity to EMI/RFI and transient surges.

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

Key Features

Environment

Hardened to operate in -40° to +158° F (-40° to +70° C)

Power

Utilizes 24-56VDC power

Application

Available with ST or SC connectors for single or multi-mode fiber
Processes digital phone signals
Critical, high voltage, remote or un-manned locations operating 24/7/365

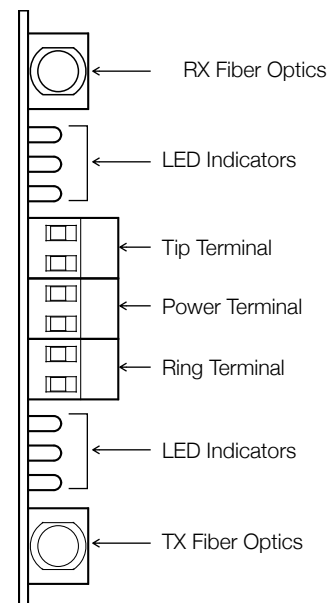
Quality

Made in the USA

Covered by our **Limited Lifetime Warranty**



2 Wire Digital Phone Fiber Link Card



CO/SUB Card

Front Panel Features

Ordering Information

Optics	Distance	Fiber	Description	Part Number
Multimode ST	1 mi / 1.6km	62.5µm	CO Card - (PBX)	8806-1334-02
			Sub Card - (TEL SET)	8806-1344-02
Multimode SC	1 mi / 1.6km	62.5µm	CO Card - (PBX)	8805-1334-02
			Sub Card - (TEL SET)	8805-1344-02
Single-mode ST	1 mi / 1.6km	8~9µm	CO Card - (PBX)	8806-1361-02
			Sub Card - (TEL SET)	8806-1371-02
Single-mode SC	1 mi / 1.6km	8~9µm	CO Card - (PBX)	8805-1361-02
			Sub Card - (TEL SET)	8805-1371-02

- ▶ 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	Amplitude modulated light via two optical fibers
	Multimode: 850nm
	Single-mode: 1310nm
Maximum Fiber Loss / Distance *	Multimode: 10dB / 1 mile (1.6km)
	Single-mode: 8dB / 1 mile (1.6km)
	Length of system limited by digital PBX maximum allowable delay. 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
Bandwidth	100 kHz to 10 MHz
Signal to Noise	>45 dB for line attenuation up to 30 dB at 772 kHz
Digital Data Type	Bipolar digital data stream with no dc reference
Maximum Data Rate	3.152 Mbps
BER: Transmit Level (with Loss Select at position 1)	<10 ⁻⁹
	2.5V P-P Nominal at 20°C (68°F)
	2.0V P-P to 3.1V P-P from -40°C to 70°C (-40°F to +158°F)
Surge Protection	PTC thermistors, gas tube and varistors
Power Requirements	CO Card: 24-56VDC, 70mA, Sub Card: 44-56VDC 90mA
Powering Method	DC power source connected to "48VDC" input
Operating Temperature	-40° to +158° F (-40° to +70° C)
Dimensions	Standard RLH Fiber Link Card, L7" x W4"x H1.24"
Humidity	95% non-condensing
Warranty	Limited Lifetime <i>Visit www.fiberopticlink.com for warranty details</i>