

The leader in rugged fiber optic technology.

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4 Channel POTS Fiber Link Card System

The 4 Channel POTS (Plain Old Telephone Service) Fiber Link Cards are fully featured and hardened for substation and critical applications. These cards operate over a wide temperature range and have been designed to provide reliability in harsh environments.

Common applications include extending analog lines over fiber for the benefit of electrical isolation, to achieve long distances, or through noisy environments to reduce EMI. These cards are fully compatible with all traditional POTS services, dial-up modems, meters, & fax machines. Fiber Link Cards are designed and Made in the USA, and are covered by our Limited Lifetime warranty.



4 Channel POTS Fiber Link Card

Key Features

Environment

Operating temperature range is -40°F to +158°F (-40°C to +70°C)

Critical, high voltage, remote or un-manned locations operating 24/7/365

Power

Uses 24~48VDC local power

Application

Available with ST or SC connectors for single or multi-mode fiber Single or dual fiber models available

Supports Caller ID

Supports Call-Forward Disconnect

Ringdown Function (FXS to FXS Hotline Phone)

Convenient LED status indicators

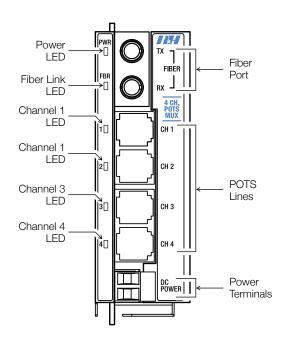
Extend telephone up to 120km over fiber

Compatibility

Extend Plain Old Telephone Systems (POTS) Extend service provider 2 wire analog lines Dial-up modems, meters, and fax machines

Quality

Made in the USA covered by our Limited Lifetime Warranty



FXO/FXS Card

Front Panel Features

General Specifications

Transmission method	Frequency modulated light via optical fiber							
	Multimode	ltimode		1310nm				
	Single-mod	ingle-mode		1310nm/1550nm				
Maximum Fiber	Dual Fiber	Multimod		de (50/125µm, 62.5/125µm):	1.25mi./2 km range			
Attenuation / Distance*	\$		Single-mode (9/125µm):		12.4 mi./20km range			
					37 mi./60km range			
					74 mi./120km range			
	Single Fiber,		Single-mode (9/125µm):		12.4 mi./20km range			
	Bi-directio	nal			37 mi./60km range			
	*Note: Distances equated using industry standard fiber and connector attenuation. Fiber condition, splices and connectors may affect actual range.							
Fiber Type	(ST or SC co	(ST or SC connectors) Multimode: 50/125µm, 62.5/125µm, Single-mode: 8-9/125µm						
Phone Connectors	(4) RJ-11 Fe	(4) RJ-11 Female						
Audio Bandwidth	300Hz to 3400Hz							
Analog Phone (POTS)	FXO Card	Impedance		600 ohms				
Interface	Ring Fre		quency	uency Acceptable 20 ~50Hz				
	FXS Card	Impedance		600 ohms				
		Dial		DTMF and Pulse				
		Battery Source		48VDC ± 4V				
		Ring Voltage		80Vrms at 20Hz (Depending on the ringing load)				
		REN	REN 3.0 (Ring Equivalence *REN value is per channel		Number)			
Ringing Waveform	Sine wave							
Ring Cadence	FXS to FXS	On $\longrightarrow 2$	On \longrightarrow 2 sec, Off \longrightarrow 4 sec					
	FXO to FXS	Reproduces the cadence detected by FXO						
Return Loss	40dB	40dB						
Supports	Caller ID & C	Caller ID & Call Forward Disconnect						
Power Requirements	24~48VDC Nominal							
Max Power Consumption	≤10W							
Dimensions/Mounting	L 7in. x H 4in. x W 1in. (177.8mm x 101.6mm x 25.4mm)							
	Compatible	Compatible with RLH Fiber Link card housings						
Operating Temperature	-40°F to +158°F (-40°C to +70°C)							
Humidity	95% non-condensing							
Warranty	Limited Lifetime Visit www.fiberopticlink.com for warranty details							

Ordering Information

Fiber / Connector	Description	Side	Distance	Fiber	Part Number
Multimode ST	FXO Card	-	2.4km / 1.5 mi.	62.5/50µm	4PC-FXO-04-2
	FXS Card	-	2.4km / 1.5 mi.	62.5/50µm	4PC-FXS-04-2
Bi-Directional Single-mode SC	FXO Card	А	20km / 12.4 mi.	8~9µm	4PC-FXO-10-2
	FXS Card	В	20km / 12.4 mi.	8~9µm	4PC-FXS-11-2
	FXO Card	А	60km / 37 mi.	8~9µm	4PC-FXO-14-2
	FXS Card	В	60km / 37 mi.	8~9µm	4PC-FXS-15-2
Single-mode SC	FXO Card	-	20km / 12.4 mi.	8~9µm	4PC-FXO-40-2
	FXS Card	-	20km / 12.4 mi.	8~9µm	4PC-FXS-40-2
	FXO Card	-	60km / 37 mi.	8~9µm	4PC-FXO-41-2
	FXS Card	-	60km / 37 mi.	8~9µm	4PC-FXS-41-2
	FXO Card	-	120km / 74 mi.	8~9µm	4PC-FXO-42-2
	FXS Card	-	120 km / 74 mi.	8~9µm	4PC-FXS-42-2
Single-mode ST	FXO Card	-	20km / 12.4 mi.	8~9µm	4PC-FXO-50-2
	FXS Card	-	20km / 12.4 mi.	8~9µm	4PC-FXS-50-2
	FXO Card	-	60km / 37 mi.	8~9µm	4PC-FXO-51-2
	FXS Card	-	60km / 37 mi.	8~9µm	4PC-FXS-51-2
	FXO Card	-	120km / 74 mi.	8~9µm	4PC-FXO-52-2
	FXS Card	-	120 km / 74 mi.	8~9µm	4PC-FXS-52-2

- A complete system requires 2 cards.
 - One (1) FXO paired with one (1) FXS card for a typical phone line extension, or
 - Two (2) **FXS** cards paired for a ringdown hotline.
- ▶ Bi-directional single fiber models require an **A** Side and **B** Side unit for a complete system.
- ▶ Please contact your RLH sales representative for pricing and delivery information.

Technical Support

Email:	support@fiberopticlink.com
24/7 technical support:	Toll Free 1-855-RLH-24X7
	Toll Free 1-855-754-2497

Contact Information

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Please contact your RLH sales representative for pricing and delivery information.

Specifications subject to change without notice.