

4 Channel 4~20mA Fiber Link Card System

The 4 Channel 4~20mA / 0~10VDC Analog Data Fiber Link Card system provides a transmission of up to four independent analog signals over one optical fiber. This system is designed to operate in harsh industrial environments and is temperature hardened for reliability. These cards are compatible with any RLH card housing or shelf, and are covered by our **Limited Lifetime Warranty**.



4 Channel 4~20mA Fiber Link Card

Key Features

Environment

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

Power

Uses 22~56VDC local power source
Available with 9~6VDC powering option

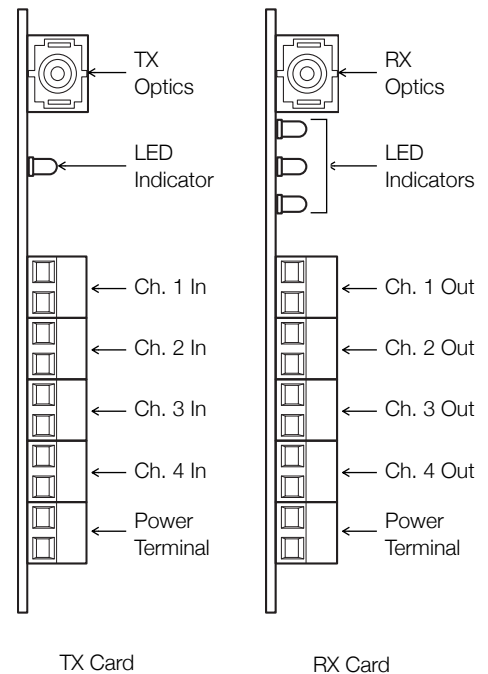
Application

Available with ST or SC connectors for single or multi-mode fiber
4 channels over a single fiber
Convenient LED status indicators
Critical, high voltage, remote or un-manned locations operating 24/7/365

Quality

Made in the USA

Covered by our **Limited Lifetime Warranty**



Front Panel Features

Ordering Information

Optics	Fiber	Distance	Description	Part Number
Multimode SC	62.5µm	2km / 1.2 mi.	TX Card	8805-1506-01
			RX Card	8805-1516-01
	50µm	2km / 1.2 mi.	TX Card	8805-1506-01-50
			RX Card	8805-1516-01-50
Multimode ST	62.5µm	2km / 1.2 mi.	TX Card	8806-1506-01
			RX Card	8806-1516-01
	50µm	2km / 1.2 mi.	TX Card	8806-1506-01-50
			RX Card	8806-1516-01-50
Single-mode SC	8~9 µm	15km/ 9mi	TX Card	8805-1526-01
		48km/ 29mi	TX Card	8805-1526-01-LH
		15km/ 9mi. & 48km/ 29mi.	RX Card	8805-1536-01
Single-mode ST	8~9 µm	15km/ 9mi	TX Card	8806-1526-01
		48km/ 29mi	TX Card	8806-1526-01-LH
		15km/ 9mi. & 48km/ 29mi.	RX Card	8806-1536-01

- ▶ A complete system requires 1 **TX** card and 1 **RX** card
- ▶ Please contact your RLH sales representative for pricing and delivery information

General Specifications

Transmission method	Frequency modulated light via a single optical fiber
	Multimode: 850nm
	Single-mode: 1310nm
	Single-mode Long Haul: 1310nm
Maximum Fiber Attenuation / Distance*	Multimode: 6dB / 1.2 miles (2km)
	Single-mode: 8dB / 9 miles (15km)
	Single-mode Long Haul: 24dB* / 29 mi. (48 km), min. required loss *-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	ST or SC connectors
	Multimode: 62.5/125µm, 50/125µm
	Single-mode: 8-9/125µm
Wire Connector	Screw clamp terminal blocks, 16 ~ 26 AWG
Input 1-4 (TX Card)	4~20mA current loop or 0~10VDC
Output 1-4 (RX Card)	+/- 2% accuracy 500 Ohm maximum loop resistance
Response Time	10ms
Surge Protection	PTC thermistors, zener diodes and varistors
Power Requirements	TX Card: 24-56VDC, 15mA min.
	12V power option: 9~36VDC
	RX Card: 24-56VDC, 100mA minimum
Powering Method	Local DC power source
Operating Temperature	-40° to +158° F (-40° to +70° C), 95% non-condensing
Dimensions	Standard RLH Fiber Link Card, L7" x W4"x H1"
Warranty	Limited Lifetime <i>Visit www.fiberopticlink.com for warranty details</i>