2 Channel ADSL Fiber Link Card System

The RLH 2 Channel ADSL Fiber Link Card system supports two channels of ADSL copper service over a single pair of single mode or multimode fiber optic cable. This environmentally hardened system converts the copper signals into an optical signal over fiber, then converts the fiber optic signal back into 2 Wire DSL copper service for customer use.

Transmitting ADSL signals over fiber optic cable allows for network extension over long distances, and provides electrical isolation between both ends of the network. The RLH ADSL fiber system is compatible with DSL download data rates of up to 2.75Mbps.

Each card requires a 44-56VDC 100mA local power source to operate. RLH carries several compatible power supplies, but any compatible DC power source is acceptable.This hardened, rugged system is covered by our **Limited Lifetime Warranty**.

2 Channel ADSL Fiber Link Card

Key Features

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

Power
44-56VDC 100mA local power source at each end

Application
Network extension, single-mode (8mi./13km) / multimode (1640 ft./500m)
ST or SC fiber connector types
Each card can accept 2 ADSL lines, maximizing throughput
Critical, high voltage, remote or un-manned locations operating 24/7/365

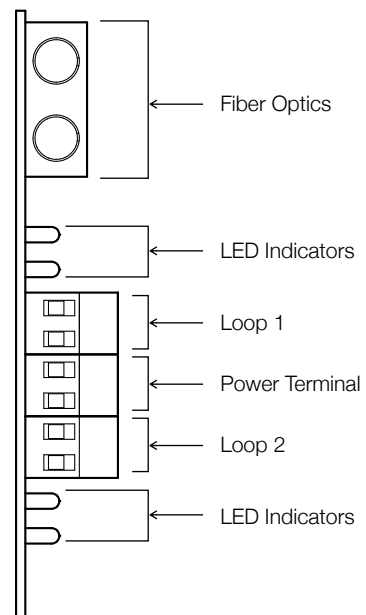**Compatibility**
DSL download data rates of up to 2.75Mbps

Quality
Made in the USA
Covered by our **Limited Lifetime Warranty**

Fiber Optics

LED Indicators

Loop 1

Power Terminal

Loop 2

LED Indicators

CO/Sub Card

Front Panel Features

Ordering Information

Optics	Distance	Fiber	Description	Part Number	CLEI Number
Multimode ST	500m / 1640 ft.	62.5μm / 50μm	CO Card	**8806-1550-01**	NPP1UM0CAA
			SUB Card	**8806-1560-01**	NPP1VM0CAA
Multimode SC	500m / 1640 ft.	62.5μm / 50μm	CO Card	**8805-1550-01**	-
			SUB Card	**8805-1560-01**	-
Single-mode ST	13km / 8 mi.	8~9μm	CO Card	**8806-1570-01**	-
			SUB Card	**8806-1580-01**	-
Single-mode SC	13km / 8 mi.	8~9μm	CO Card	**8805-1570-01**	NPP1UN0CAA
			SUB Card	**8805-1580-01**	NPP1VN0CAA

▶ A complete system requires a CO and SUB card.

▶ 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 Attenuation /	Multimode:	14dB / 1640 feet (500m)
Distance	Single-mode:	8dB / 8 miles (13km)
Fiber Type	ST or SC fiber female connectors	
	Multimode:	62.5/125μm, 50/125μm
	Single-mode:	8-9/125μm
Insertion Loss	0dB+/-0.5dB each direction	
Maximum Data Rate	Downstream	2.75Mbps
	Upstream	2.75Mbps
Surge Protection	Varistors, Zener Diodes, PTC Thermistors, Diodes	
Power Requirements	CO	44-56VDC, 100mA minimum
	Sub	44-56VDC, 100mA minimum
Powering Method	CO	Local DC power source
	Sub	Local DC power source
LED Indicators	LOCK (ORG LED)	Card communication over fiber status
	LOOP1 (GRN LED)	ADSL line 1 ON/OFF
	LOOP2 (GRN LED)	ADSL line 2 ON/OFF
	PWR (BLU LED)	Power ON/OFF
Wire Terminals	Screw clamp terminal block, 16 ~ 26 AWG	
Operating Temperature	-40F to160F (-40C to 70C) + Max Solar Load	
Humidity	95% non-condensing	
Dimensions	L7" x W4"x H1.24" , standard RLH Fiber Link Card form factor	
Standards Compliance	IEEE802.1d, 802.3, and 802.3u	
	ADSL: G.DMT, G.LITE, ANSI T1.413 Issue2, RE-ADSL	
	FCC PART-15, FCC PART-68B	
	Motorola R56, BR 876-310-100 BT (Telcordia), Bellcore SR-3966, GR-1089, GR-63	
Warranty	Limited Lilfetime	*Visit* www.fiberopticlink.com *for warranty details*