

DATA SHEET

8+2 Gigabit SFP PoE+ Switch

Industrial, Rugged, and Compact

RLH industrial switches are engineered to provide reliable network performance in harsh environments. The 8+2 Gigabit SFP PoE+ switch provides both copper and fiber Gigabit Ethernet access, along with PoE+ powering capabilities. It is environmentally hardened to operate in a wide temperature range, which is the standard for RLH equipment.

The PoE+ ports provide up to 30 Watts of power to end devices following the IEEE 802.3af/at standard. The SFP ports are dual rate, they can support both Fast Ethernet or Gigabit SFP Modules allowing for extra flexibility when implementing in the field.

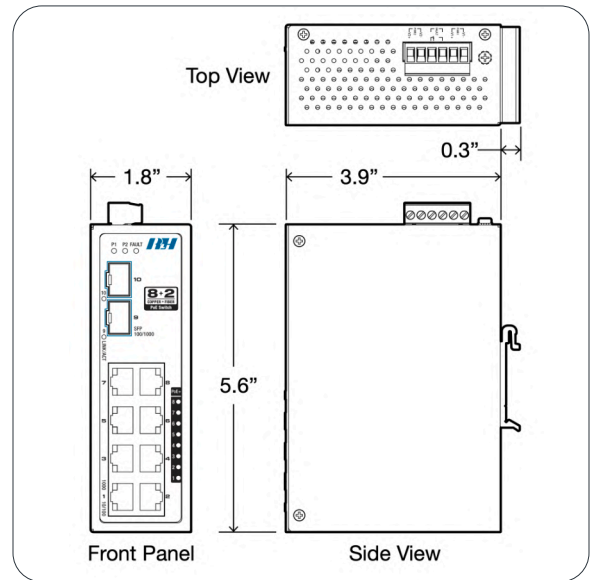
Our industrial switches robust features and construction meet the demands of a variety of applications, and are an ideal solution for a wide range of utility and automation environments.



8+2 Gigabit SFP PoE+ Switch

Key Features

- Wide operating temperature range -40°F to +167°F (-40°C to +75°C)
- 2 Dual Rate SFP Ports - 100Mbps & 1Gbps
- 8 PoE+ ports with up to 30 Watts per port
- Up to 240 Watts of PoE output power
- Redundant power inputs
- Integrated alarm relay
- IEEE 802.3af/at Power over Ethernet
- Rugged case rated to IP30
- DIN rail & wall mountable
- UL Listed



Dimensions

Ordering Information

Description	Part Number
Industrial 8+2 Gigabit SFP PoE+ Switch	ETH-82GP-48-1

DATA SHEET**Key Specifications**

Data Process:	Store & Forward, CSMA/CD, IEEE 802.3x flow control, back pressure flow control	
Standards:	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3af/at Power over Ethernet	IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X Gigabit Fiber
Back-Plane Speed:	20Gbps	
Transfer Rates:	14,880pps – Ethernet port 148,800pps – Fast Ethernet port 1,488,000pps – Gigabit Ethernet Port	
Transmission Distance:	Up to 100 Meters over twisted pair	
MAC Address:	8K table size	
Ethernet Interface:	Auto MDI/MDI-X, Auto Speed & Duplex Negotiation	
Ethernet Ports:	(8) RJ-45 - 10/100/1000 Mbps with PoE+ (2) SFP Ports – Accepts 100 or 1000 speed SFP Modules	
PoE Power:	30 Watts (Mode A / End Span)	
PoE Pin Assignment:	Positive (VCC+) – RJ-45 Pins 1, 2 Negative (VCC-) – RJ-45 Pins 3, 6	
LED Status Indicators:	Power 1 (P1) Power 2 (P2) Fault Ethernet Ports (Link/Active) SFP Ports (Link/Active) PoE Active	

DATA SHEET

www.fiberopticlink.com

General Specifications

Power Input:	48~55VDC redundant power inputs (pluggable terminal block)
Power Input Protection:	Overload Current Protection & Reverse Polarity Protection
Max Power Consumption:	System 12W (All ports Active), PoE Output 30W Max per PoE port, 240W PoE Max Budget
Fault Output:	1 Relay output rated for 24VDC @ 1 Amp
Operating Temperature:	-40°F to 167°F (-40°C to 75°C)
Storage Temperature:	-40°F to 185°F (-40°C to 85°C)
Operating Humidity:	5% to 95% (Non-Condensing)
Construction:	Powder coated IP30 steel housing
Case Dimensions:	1.81" (W) x 3.90" (D) x 5.59" (H), (46mm x 99mm x 142mm) *Not including connectors or DIN bracket
Installation:	Standard DIN rail (TS-35) or wall mount *Wall mount brackets included
Safety:	UL 61010-1, UL 61010-2-201
EMI/EMS:	FCC Part 15 Subpart B Class A, CE EN55032, CE EN61000-4-2/3/4/5/6/8/11/12, CE EN61000-6-2, CE EN61000-6-4
Stability Testing:	IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
Warranty:	5 Years

DATA SHEETwww.fiberopticlink.com**Contact**

By Mail:	Att: Sales RLH Industries, Inc. 936 N. Main St. Orange, CA 92867
----------	---

By Phone: Sales / Service Mon - Fri, 6am - 6pm, PST	Local	714-532-1672
	Toll Free	800-877-1672 866-DO-FIBER

By Email:	info@fiberopticlink.com
-----------	--

By FAX:	714-532-1885
---------	--------------

Tech Support

By Email:	support@fiberopticlink.com
-----------	--

By Phone:	Toll Free	855-754-2497 855-RLH-24X7
-----------	-----------	------------------------------