fiberopticlink.com



DS-088 2025-1006

### 8+2 Unmanaged 10/100/1G **SFP PoE+ Industrial Switch**

ETH-82GP-48-1

#### High Port Count, PoE+ (802.3at 30 Watts), C1D2/NEMA TS2 (ITS) Design

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.

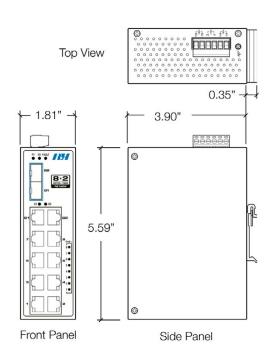


8+2 Unmanaged 10/100/1G SFP PoE+ DIN View

#### **Features**

- Hardened to operate in -40°C to +75°C (-40°F to +167°F)
- 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**





















## **General Specifications**

Data Process:	Store & Forward CSMA/CD IEEE 802 3v flow control back prossure flow control		
Dala FIUCESS.	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 802.3z 1000Base-X Gigabit Fiber IEEE 802.3af Power over Ethernet (PoE)	
	IEEE 802.3ab 1000BaseT Gigabit Ethernet	IEEE 802.3at Power over Ethernet Plus (PoE+)	
Back-Plane Speed:	20Gbps		
Transfer Rates:	14,880pps - Ethernet port		
Transfer hates:	148,800pps - Fast Ethernet port, 1,488,000pps - Gigabit Ethernet port		
Transmission Distance:	Up to 100 Meters over twisted pair		
Transmission Speed:	Up to 1000Mbps		
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)		
Dat Div Acci	Positive (VCC+) - RJ-45 Pins 1, 2		
PoE Pin Assignment:	Negative (VCC-) - RJ-45 Pins 3, 6		
LED Status Indicators:	Power 1 (P1), Power 2 (P2), Redundant Power Loss (Fault)		
	Ethernet Ports (Link and Activity), PoE+ (On and Off)		
Power Protection:	Over Current, Power Reversal, Polarity Protection		
Power Input:	48~55VDC redundant power inputs (pluggable terminal block)		
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		



## **General Specifications** (cont.)

Installation:	Standard DIN rail (TS-35) or wall mount *Wall mount brackets included	
EMI:	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:	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)	
Safety:	CE, FCC Class A, UL 61010-1 3rd Edition and UL 61010-2-201 1st Edition, File Number: E480850,UL Class 1/Div.2	
Compliance:	NDAA, TAA, NEMA TS2 (ITS), RoHS and REACH compliant	
MTBF:	613,584 hrs Telcordia SR-332, Issue 3, GB, 25°C	
Warranty:	5 Years - Visit www.fiberopticlink.com for warranty details	

# **Ordering Information**

Description	Part Number
8+2 Unmanaged PoE+ 10/100/1G Industrial Ethernet Switch, SFP(100/1G) ports 48-55VDC	ETH-82GP-48-1

### **Contact**

By Mail: ATTN: Sales	ATTN: Sales	
RLH Industries, Inc. 936 N. Main Street Orange, CA 92867		
By Phone: Local	714-532-1672	
Sales/Service: Toll Free	800-877-1672	
By Email: info@fiberopticlink.c	info@fiberopticlink.com	
<b>By Fax</b> : 714-532-1885	714-532-1885	

### **Support**

By Email:	support@fiberopticlink.com	
By Phone:	Toll Free 855-754-2497	