

### DATA SHEET

## 8+2 Combo SFP PoE+ Switch

### Industrial PoE+ Gigabit SFP Switch

RLH industrial switches are engineered to provide reliable network performance in harsh environments. The 8+2 SFP PoE+ switch provides both copper and fiber 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 unique Flex Power feature allows the device to maintain a consistent PoE+ voltage to end devices regardless of the DC powering voltage provided.

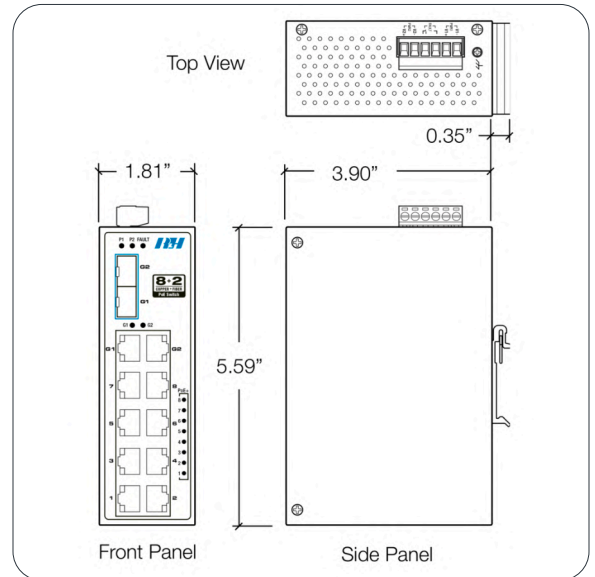
Our industrial switches robust features and construction meet the demands of a variety of applications, and are an ideal solution for a wide range of utility and automation environments.



8+2 Combo SFP PoE+ Switch

## Key Features

- Hardened design has a wide operating temperature range -40°F to +167°F (-40°C to +75°C)
- Flex Power – Constant 48VDC PoE+ power (at low input voltages)
- 2 Combo Ports - Either Gigabit RJ-45 or SFP Ports
- 8 PoE+ ports with up to 30 watts per port
- IEEE 802.3af/at Power over Ethernet
- PoE Mode A (End Span)
- Auto MDI/MDI-X
- Rugged case rated to IP30
- 12~36VDC redundant power inputs with built-in alarm
- 2kV surge protection
- DIN rail & wall mountable
- UL Listed



Dimensions

## Ordering Information

Description	Part Number
8 Gigabit RJ-45 Ports, 2 Dual Rate SFP Ports, 30 Watt PoE	ETH-82CP-1

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### Key Specifications

<b>Data Process:</b>	Store & Forward, CSMA/CD	
<b>Standards:</b>	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 Gigabit Fiber
<b>Transfer Rates:</b>	14,880pps - Ethernet port 148,800pps - Fast Ethernet port, 1,488,000pps - Gigabit Ethernet port	
<b>Transmission Distance:</b>	Up to 100 Meters over twisted pair	
<b>Transmission Speed:</b>	Up to 1000Mbps	
<b>MAC Address:</b>	8K table size	
<b>Ethernet Interface:</b>	Supports Jumbo Frames, Auto MDI/MDI-X, Auto-Negotiation	
<b>Ethernet Ports:</b>	(8) 10/100 Mbps PoE+ (2) Combo Ports — either (2) 10/100/1000 Mbps or (2) Dual Rate SFP Slots	
<b>PoE Power:</b>	30 Watts (Mode A / End Span)	
<b>Flex Power:</b>	Constant 48VDC PoE+ power throughout input voltage range	
<b>PoE Pin Assignment:</b>	Positive (VCC+) – Pins 1, 2; Negative (VCC-) – Pins 3, 6; Data – Pins 1, 2, 3, 6	
<b>LED Status Indicators:</b>	Power 1 (P1), Power 2 (P2), Fault Ethernet Ports (Link and Activity), PoE+ (On and Off)	
<b>Power Protection:</b>	Over Current, Power Reversal, Polarity Protection	
<b>Power Input:</b>	12~36VDC redundant power inputs (6 position pluggable terminal block)	
<b>Max Power Consumption:</b>	145W @ 12V, 200W @ 24VDC (assuming full PoE load)	
<b>Fault Output:</b>	1 Relay output rated for 24VDC @ 1 Amp	
<b>Operating Temperature:</b>	-40°F to 167°F (-40°C to 75°C)	
<b>Storage Temperature:</b>	-40°F to 185°F (-40°C to 85°C)	
<b>Operating Humidity:</b>	5% to 95% (Non-Condensing)	
<b>Construction:</b>	Powder coated IP30 steel housing	
<b>Case Dimensions:</b>	1.81" (W) x 3.90" (D) x 5.59" (H), (46mm x 99mm x 142mm) *Not including connectors or DIN bracket	
<b>Installation:</b>	Standard DIN rail (TS-35) or wall mount *Wall mount brackets included	

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[www.fiber opticlink.com](http://www.fiber opticlink.com)

### Key Specifications (cont'd)

<b>EMI:</b>	FCC Class A, CE EN61000-4-2/3/4/5/6/8/11/12, CE EN61000-6-2, CE EN61000-6-4
<b>Stability Testing:</b>	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)
<b>Safety:</b>	CE, FCC Class A, UL 61010-1 and UL 61010-2-201, File Number: E480850
<b>Warranty:</b>	5 Years

### Contact

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

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

By Email: [info@fiber opticlink.com](mailto:info@fiber opticlink.com)

By FAX: 714-532-1885

### Tech Support

By Email: [support@fiber opticlink.com](mailto:support@fiber opticlink.com)

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