



## 5+2 Gigabit SFP PoE+ Switch

## ETH-52GP-1

### Industrial PoE+ Gigabit SFP Switch

RLH industrial switches are engineered to provide reliable network performance in harsh environments. The 5+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 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.

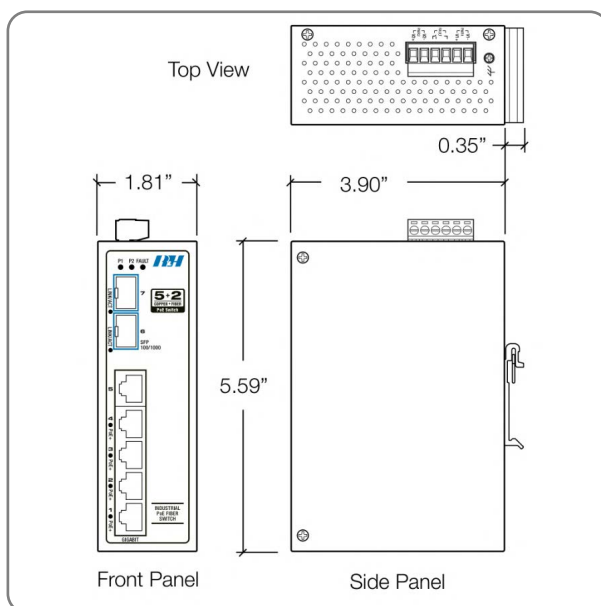


5+2 Gigabit SFP PoE+ Ethernet Switch

### Features

- Wide operating temperature range of -40°C to +75°C (-40°F to +167°F)
- Flex Power – Constant 48VDC PoE+ power (at low input voltages)
- 2 Dual Rate SFP Ports - 100Mbps & 1Gbps
- 4 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
- 12~48VDC redundant power inputs with built-in alarm
- 2kV surge protection
- DIN rail & wall mountable
- UL Listed

### Dimensions





## Specifications

<b>Data Process:</b>	Store and Forward, CSMA/CD	
<b>Standards:</b>	<b>IEEE 802.3</b> 10Base-T (Ethernet) <b>IEEE 802.3u</b> 100Base-TX (Fast Ethernet) <b>IEEE 802.3ab</b> 1000Base-T (Gigabit Ethernet) <b>IEEE 802.3z</b> 1000Base-X (Gigabit Fiber)	<b>IEEE 802.3af</b> Power over Ethernet (PoE) <b>IEEE 802.3at</b> Power over Ethernet Plus (PoE+) <b>IEEE 802.3x</b> Ethernet Flow Control
<b>Transfer Rates:</b>	14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for 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>	(1) 10/100/1000 Mbps (4) 10/100/1000 Mbps PoE+ (2) SFP Slots, Accepts 100 or 1000 Mbps speed modules	
<b>PoE Power:</b>	30 Watts (Mode A / End Span)	
<b>Flex Power:</b>	Max. PoE Output: 60W/12VDC, 120W/36~55VDC	
<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>	12~55VDC redundant power inputs (Maximum 6 Amps)	
<b>Max Power Consumption:</b>	130 Watts (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)	



## Specifications (cont'd)

<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
<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, UL 61010-2-201, File Number: E480850, UL Class 1/Div.2
<b>Compliance:</b>	NDAA, TAA, NEMA TS2 (ITS), RoHS and REACH compliant
<b>MTBF:</b>	866,424 hours      Telcordia SR-332, Issue 3, GB, 25°C
<b>Warranty:</b>	5 Years      Visit <a href="http://www.fiberopticlink.com">www.fiberopticlink.com</a> for warranty details

## Ordering Information

Description	Part Number
5 Gigabit RJ-45 Ports, 2 Dual Rate SFP Ports, 30 Watt PoE+	<b>ETH-52GP-1</b>

## Contact

<b>By Mail:</b>	ATTN: Sales  RLH Industries, Inc. 936 N. Main Street Orange, CA 92867
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## Support

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