DATA SHEET

5 Port Gigabit PoE+ Switch

Industrial, Rugged, and Compact

RLH industrial switches are engineered to provide reliable network performance in harsh environments. The 5 Port Gigabit PoE+ switch provides 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 switch has redundant power inputs and an integrated alarm relay for use in critical applications.
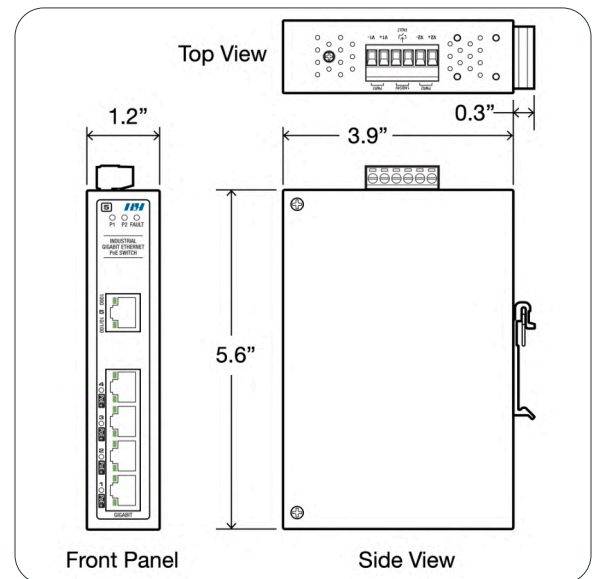
Our industrial switches robust features and construction meet the demands of a variety of applications, and are an ideal solution for a wide range of utility and automation environments.

5 Port Gigabit PoE+ Switch

Key Features

- Wide operating temperature range -40°F to +167°F (-40°C to +75°C)
- 5 Gigabit Ethernet Ports
- 4 PoE+ ports with up to 30 Watts per port
- Up to 120 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 5 Port Gigabit SFP PoE+ Switch	ETH-5GP-48-1

RLH Industries, Inc.
Fiber Optic Link

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Key Specifications

Data Process:	Store & Forward, CSMA/CD, IEEE 802.3x flow control, back pressure flow control
Standards:	IEEE 802.3 10BaseT Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3af/at Power over Ethernet
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:	(5) RJ-45 - 10/100/1000 Mbps (4 Supporting PoE+)
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 and Activity) PoE Active

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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 6W (All ports Active), PoE Output 30W Max per PoE port, 120W 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:	1.18" (W) x 3.90" (D) x 5.59" (H), (30mm 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
Stability Testing:	IEC60068-2-32 (Free fall) IEC60068-2-27 (Shock) IEC60068-2-6 (Vibration)
Warranty:	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@fiberopticlink.com
By FAX:	714-532-1885

Tech Support

By Email:	support@fiberopticlink.com

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