5 Port PoE+ Switch

ETH-5P-1

Industrial PoE+ Fast Ethernet Switch

RLH industrial switches are engineered to provide reliable network performance in harsh environments. This 5 port switch provides Ethernet access along with PoE+ powering. 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.
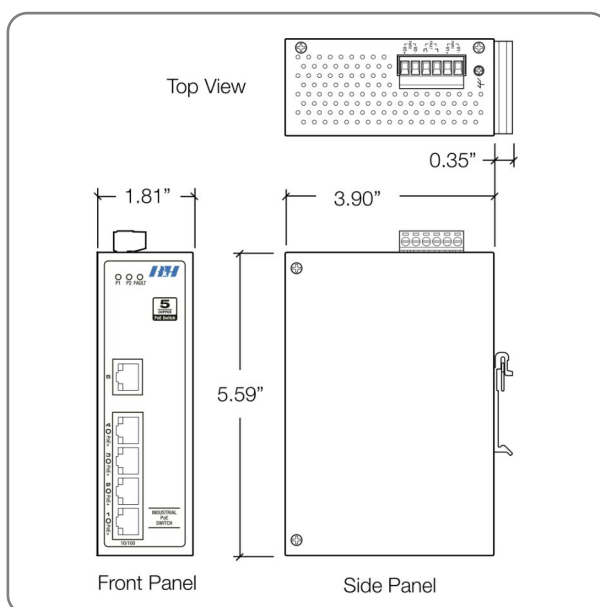

5 Port PoE+ Switch

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)

- Four 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

- Store-and-forward switching architecture

- Rugged case rated to IP-30

- 12~55VDC redundant power inputs with built-in alarm

- 2kV surge protection

- DIN rail & wall mountable

- UL Listed

Dimensions

Top View

0.35"

1.81"   3.90"

5.59"

Front Panel   Side Panel

Specifications

Data Process:	Store and Forward, CSMA/CD
Standards:	**IEEE 802.3** 10Base-T (Ethernet) **IEEE 802.3u** 100Base-TX (Fast Ethernet) **IEEE 802.3af** Power over Ethernet (PoE) **IEEE 802.3at** Power over Ethernet Plus (PoE+)
Transfer Rates:	14,880pps for Ethernet port
	148,800pps for Fast Ethernet port
Transmission Distance:	Up to 100 Meters over twisted pair
Transmission Speed:	Up to 100 Mbps
MAC Address:	8K table size
Etherent Interface:	Auto MDI/MDI-X, Auto-Negotiation
Ethernet Ports:	(1) 10/100 Mbps
	(4) 10/100 Mbps PoE+
PoE Power:	30 Watts (Mode A / End Span)
Flex Power:	PoE output voltage remains constant when switch is powered with less than 48VDC
PoE Pin Assignment:	Positive (VCC+) – Pins 1, 2; Negative (VCC-) – Pins 3, 6; Data – Pins 1, 2, 3, 6
LED Status Indicators:	Power 1 (P1), Power 2 (P2), Fault
	Ethernet Ports (Link and Activity), PoE+ (On and Off)
Power Protection:	Over Current, Power Reversal, Polarity Protection
Power Input:	12~55VDC redundant power inputs (6 position pluggable terminal block)
Max Power Consumption:	125 Watts (assuming full PoE load)
Fault Output:	1 Relay output rated for 24VDC @ 1 Amp
Operating Temperature:	-40°C to 75°C (-40°F to 167°F)
Storage Temperature:	-40°C to 85°C (-40°F to 185°F)
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

Specifications (cont'd)

EMI:	FCC Class A, 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)
Safety:	CE, FCC Class A, UL 61010-1, UL 61010-2-201, File Number: E480850, ISA 12.12.01, UL Class 1/Div.2
Compliance:	NDAA, TAA, NEMA TS2 (ITS), RoHS and REACH compliant
Warranty:	5 Years Visit www.fiberopticlink.com for warranty details

Ordering Information

Description	Part Number
5 Port 10/100 PoE+ Ethernet Switch	**ETH-5P-1**

Contact

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