5 Unmanaged 10/100/1G PoE+ Industrial Switch

ETH-5GP-48-1

Slim, PoE+ (802.3at 30 Watts)
C1D2 Design with Rugged Metal Housing

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.
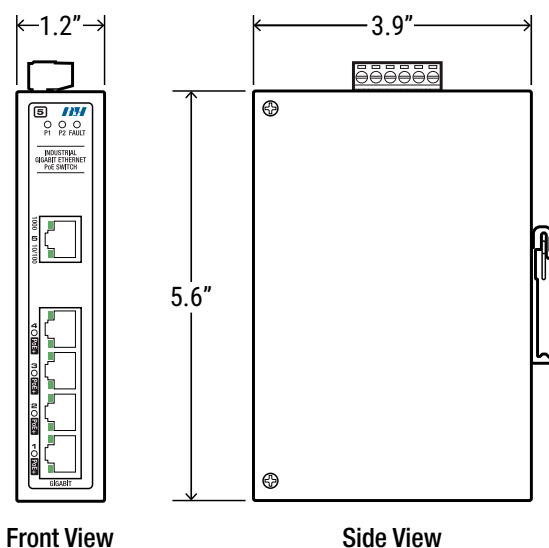

5 Unmanaged 10/100/1G PoE+ DIN View

Key Features

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

- 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 IP-30

- DIN rail & wall mountable

- UL Listed

Dimensions

Front View   Side View

General Specifications

Data Process:	Store and 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 802.3ab** 1000BaseT (Gigabit 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 1488,000pps for Gigabit Ethernet port
Transmission Distance:	Up to 100 Meters over twisted pair
MAC Address:	8K table size
Ethernet Interface:	Supports Jumbo Frames (10Kbytes), Auto-Negotiation, Full/Half Duplex, Auto-MDI/MDI-X
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+) – Pins 1, 2; Negative (VCC-) – Pins 3, 6; Data – Pins 1, 2, 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:	Overload Current Protection & Reverse Polarity Protection
Power Input:	48~55VDC redundant power inputs (6 position pluggable terminal block)
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°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:	1.18" (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

General Specifications (cont.)

EMI:	FCC Part 15 Subpart B Class A, CE EN61000-6-4, CE EN61000-6-2, CE EN61000-4-2/3/4/5/6/8
Stability Testing:	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, RoHS and REACH compliant
MTBF:	1,037,363 hrs. - Telcordia SR-332, Issue 3, GB, 25°C
Warranty:	5 Years - Visit www.fiberopticlink.com for warranty details

Ordering Information

Description	Part Number
5 port Unmanaged PoE+ 10/100/1G Industrial Ethernet Switch 48-55VDC	**ETH-5GP-48-1**

Contact

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