



**RLH Industries, Inc.**

fiberopticlink.com

PRODUCT  
DATA SHEET

DS-216 2025-1006

## 8 Unmanaged 10/100/1G Industrial Switch

ETH-8G-1

### Slim, MDI/MDI-X Auto Sensing, C1D2/NEMA TS2 (ITS) Design

RLH industrial switches are engineered to provide reliable network performance in harsh environments. The ETH-8G-1 8 Port 10/100/1000 Gigabit Switch comes standard with redundant power inputs and a fault alarm. It is environmentally hardened to operate in a wide temperature range, which is the standard for RLH equipment.

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

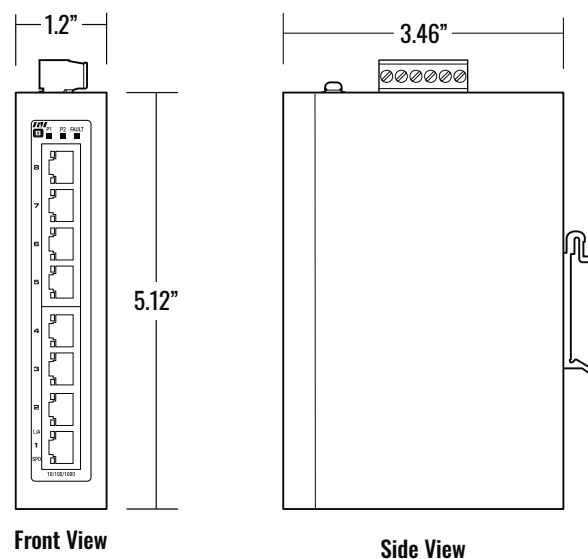
### Features

- 8 Ports of 10/100/1000 Gigabit Ethernet
- Hardened to operate in  $-40^{\circ}\text{C}$  to  $+75^{\circ}\text{C}$  ( $-40^{\circ}\text{F}$  to  $+167^{\circ}\text{F}$ )
- 12-48VDC dual redundant power inputs
- Rugged IP-30 rated case
- Overcurrent and Polarity Protection
- DIN rail & wall mountable
- UL Listed, Class 1 Division 2 Hazardous Location Certified
- TAA, NDAA, REACH, CE, FCC Class A, and RoHS Complaint
- Meets NEMA TS2 Requirements for Traffic Control
- Covered by our 5 year warranty



8 Unmanaged 10/100/1G

### Dimensions





## General Specifications

<b>Data Process:</b>	Store & Forward, CSMA/CD	
<b>Standards:</b>	<b>IEEE 802.3</b> 10BaseT (Ethernet)	<b>IEEE 802.3ab</b> 1000BaseT (Gigabit Ethernet)
	<b>IEEE 802.3u</b> 100BaseTX (Fast Ethernet)	<b>IEEE 802.3x</b> Flow Control
<b>Transfer Rate:</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 Table Size:</b>	8K	
<b>Ethernet Interface:</b>	Supports Jumbo Frames (up to 9.6KB), Auto MDI/MDI-X, Auto-Negotiation	
<b>Ethernet Ports:</b>	(8) 10/100/1000 Mbps	
<b>LED Status Indicators:</b>	Power 1 (P1), Power 2 (P2), Redundant Power Loss (FAULT)	
	Ethernet Ports (Link and Activity)	
<b>Power Protection:</b>	Over Current, Polarity Protection	
<b>Power Input:</b>	12~48VDC redundant power inputs (6 position pluggable terminal block)	
<b>Power Consumption:</b>	9.2 Watts Max.	
<b>Fault Output:</b>	1 Relay output rated for 24VDC @ 1 Amp	
<b>Operating Temperature:</b>	-40°C to 75°C (-40°F to 167°F)	
<b>Storage Temperature:</b>	-40°C to 85°C (-40°F to 185°F)	
<b>Operating Humidity:</b>	5% to 95% (Non-Condensing)	
<b>Construction:</b>	Powder coated IP30 steel housing	
<b>Case Dimensions:</b>	1.18" (W) x 3.74" (D) x 5.51" (H), (30mm x 95mm x 140mm) *Not including connectors or DIN bracket	
<b>Weight:</b>	Unit weight: 1.14 lbs. (0.52 kg), Shipping weight: 1.43 lbs. (0.65 kg)	
<b>Installation:</b>	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, 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, ISA 12.12.01	
<b>Compliance:</b>	NDAA, TAA, NEMA TS2 (ITS), RoHS and REACH compliant	
<b>MTBF:</b>	1,283,579 hours. - Telcordia SR-332, Issue 3, GB, 25°C	
<b>Warranty:</b>	5 Years - See <a href="http://www.fiber opticlink.com">www.fiber opticlink.com</a> for warranty details	

## Ordering Information

Description	Part Number
8 port Unmanaged 10/100/1G Industrial Ethernet Switch 12-48VDC	<b>ETH-8G-1</b>

## Contact

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## Support

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