



RLH Industries, Inc.

fiberopticlinc.com

PRODUCT
DATA SHEET

DS-186 2025-0424

8 Port Gigabit Unmanaged Ethernet Switch

ETH-8G-1

Industrial, Rugged, & Compact

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.

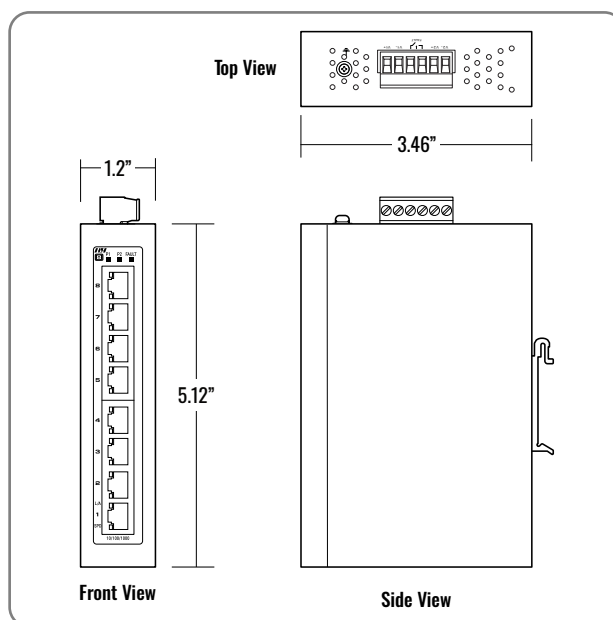
Features

- 8 Ports of 10/100/1000 Gigabit Ethernet
- Wide operating temperature range -40°F to +167°F (-40°C to +75°C)
- 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 Compliant
- Meets NEMA TS2 Requirements for Traffic Control
- Covered by our 5 year warranty



8 Port Gigabit Unmanaged Industrial Ethernet Switch

Dimensions





Specifications

Data Process	Store & Forward, CSMA/CD
Standards	IEEE 802.3 10BaseT (Ethernet) IEEE 802.3u 100BaseTX (Fast Ethernet) IEEE 802.3ab 1000BaseT (Gigabit Ethernet) IEEE 802.3x Flow Control
Transfer Rate	14,880pps - Ethernet port 148,800pps - Fast Ethernet port 1,488,000pps - Gigabit Ethernet port
Transmission Distance	Up to 100 Meters over twisted pair
Transmission Speed	Up to 1000Mbps
MAC Table Size	8K
Ethernet Interface	Supports Jumbo Frames (up to 9.6KB), Auto MDI/MDI-X, Auto-Negotiation
Ethernet Ports	(8) 10/100/1000 Mbps
LED Status Indicators	Power 1 (P1), Power 2 (P2), Redundant Power Loss (FAULT) Ethernet Ports (Link and Activity)
Power Protection	Over Current, Polarity Protection
Power Input	12~48VDC redundant power inputs (6 position pluggable terminal block)
Max Power Consumption	9.2 Watts
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 3.74" (D) x 5.51" (H), (30mm x 95mm x 140mm) *Not including connectors or DIN bracket
Weight	Unit weight: 1.14 lbs. (0.52 kg), Shipping weight: 1.43 lbs. (0.65 kg)
Installation	DIN rail (TS-35) or wall mount *Wall mount brackets included
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 and UL 61010-2-201, File Number: E480850
MTBF	1,283,579 hours. (Telcordia SR-332, Issue 3, GB, 25°C)
Warranty	5 years See www.fiberopticlink.com for warranty details

Ordering Information

Description	Part Number
8 Port Gigabit Unmanaged Industrial Ethernet Switch	ETH-8G-1

Contact

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