



RLH Industries, Inc.

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PRODUCT
DATA SHEET

DS-083 2025-1002

5 Unmanaged 10/100/1G Industrial Switch

ETH-5G-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. This gigabit switch comes standard with redundant power inputs and fault alarm. It is environmentally hardened to operate in a wide temperature range, which is the standard for RLH equipment.

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.

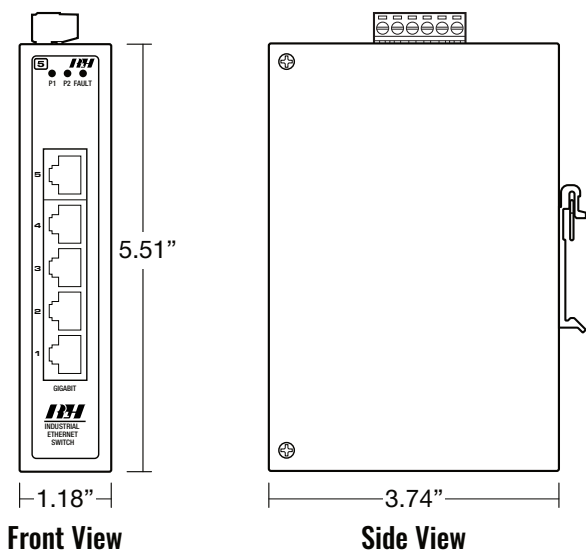
Features

- Hardened to operate in -40°C to +75°C (-40°F to +167°F)
- 5 ports of Gigabit Ethernet
- Supports Jumbo Frames
- Auto MDI/MDI-X
- Store-and-forward switching architecture
- Rugged case rated to IP30
- 12-48VDC redundant power inputs with built-in alarm
- 2kV surge protection
- DIN rail & wall mountable
- UL Listed



5 Unmanaged 10/100/1G

Dimensions





Specifications

Data Process:	Store and Forward
Standards:	IEEE 802.3 10BaseT (Ethernet) IEEE 802.3u 100BaseTX (Fast Ethernet) IEEE 802.3ab 1000BaseT (Gigabit Ethernet)
Transfer Rate:	14,880pps for Ethernet port 148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Ethernet port
Transmission Distance:	Up to 100 Meters over twisted pair
Transmission Speed:	Up to 1000 Mbps
MAC address:	8K table size
Ethernet Interface:	Supports Jumbo Frames (9.6K), Auto MDI/MDI-X, Auto-Negotiation
Ethernet Ports:	(5) 10/100/1000 Mbps
LED Status Indicators:	Power 1 (P1), Power 2 (P2), Fault, Ethernet Ports (Link and Activity)
Power Protection:	Over Current, Power Reversal, Polarity Protection
Power Input:	12~48VDC redundant power inputs (6 position pluggable terminal block)
Power Consumption:	6 Watts Max.
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 3.74" (D) x 5.51" (H), (30mm x 95mm x 140mm) *Not including connectors or DIN bracket
Installation:	Standard DIN rail (TS-35) or wall mount *Wall mount brackets included
EMI:	FCC Part 15 Subpart B 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
Compliance:	NDAA, TAA, NEMA TS2 (ITS), RoHS and REACH compliant
MTBF:	3,049,321 hrs. - Telcordia SR-332, Issue 3, GB, 25°C
Warranty:	5 Years - Visit www.fiber optic link.com for warranty details

Ordering Information

Description	Part Number
5 port Unmanaged 10/100/1G Industrial Ethernet Switch 12-48VDC	ETH-5G-1

Contact

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