



RLH Industries, Inc.

## DATA SHEET

The leader in  
rugged fiber optic  
technology.

DS-080 2025A-0128

# 5 Port 10/100 Ethernet Switch, Unmanaged

## INDUSTRIAL, RUGGED, & COMPACT

RLH industrial Ethernet switches are designed to deliver dependable network performance in the most challenging environments. The 5-port switch includes standard features such as redundant power inputs and a fault alarm. Built to withstand extreme conditions, it is engineered to operate across a broad temperature range, which is typical for RLH equipment.

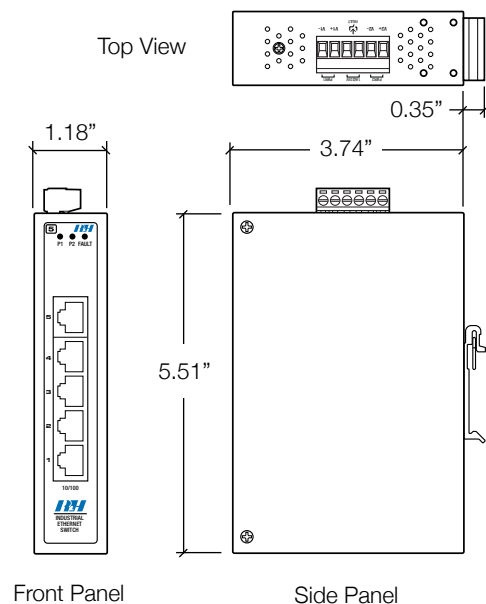
With their rugged construction and advanced features, our industrial switches are well-suited to meet the requirements of diverse applications, making them an excellent choice for utility and automation environments.



Industrial 5 Port Ethernet Switch

### Key Features

- Hardened design with wide operating temperature -40°F to 167°F (-40°C to 75°C)
- 5 ports of Fast Ethernet
- Supports Auto MDI/MDI-X Function
- Store-and-forward switching architecture
- Rugged case rated to IP-30
- 12~48VDC redundant power inputs with built-in alarm relay
- 2kV surge protection
- DIN rail & wall mountable
- UL Class 1, Division 2 Hazardous Location Certified
- Meets NEMA TS2 Requirements for Traffic Control
- TAA and NDAA Compliant
- 5 Year Warranty



Dimensional Information

## General Specifications

<b>Data Process</b>	Store & Forward, CSMA/CD
<b>Standards</b>	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet
<b>Transfer Rate</b>	14,880pps - Ethernet port 148,800pps - Fast Ethernet port
<b>Transmission Distance</b>	Up to 100 Meters over twisted pair
<b>Transmission Speed</b>	Up to 100Mbps
<b>MAC Address</b>	8K table size
<b>Ethernet Interface</b>	Auto MDI/MDI-X, Auto-Negotiation
<b>Ethernet Ports</b>	(5) 10/100 Mbps
<b>LED Status Indicators</b>	Power 1 (P1), Power 2 (P2), Fault Ethernet Ports (Link and Activity)
<b>Power Protection</b>	Over Current, Power Reversal, Polarity Protection
<b>Power Input</b>	12~48VDC redundant power inputs (6 position pluggable terminal block)
<b>Max Power Consumption</b>	5 Watts
<b>Fault Output</b>	1 Relay output rated for 24VDC @ 1 Amp
<b>Operating Temperature</b>	-40°F to 167°F (-40°C to 75°C)
<b>Storage Temperature</b>	-40°F to 185°F (-40°C to 85°C)
<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>Mounting Style</b>	Standard DIN rail (TS-35) or wall mount *Wall mount brackets included
<b>EMI</b>	FCC Class A, CE EN61000-4-2/3/4/5/6/8/11/12, 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>Compliance</b>	UL Class 1/Div.2, FCC Class A, CE, RoHS, NEMA TS2, ANSI/ISA 12.12.01, TAA, NDAA
<b>Warranty</b>	Limited 5 years <i>Visit <a href="http://www.fiberopticlink.com">www.fiberopticlink.com</a> for warranty details</i>

## Ordering Information

Description	Power Input	Ports	Part Number
Industrial 5 Port Unmanaged Ethernet Switch	12~48VDC	(5) 10/100 Ethernet	<b>ETH-5-1</b>

▶ Please contact your RLH sales representative for pricing and delivery information.