



RLH Industries, Inc.

fiber**optic**link.com

PRODUCT
DATA SHEET

DS-090 2025-1006

5+1 Managed 10/100/1G SFP Industrial Switch

ETH-51GM-2

MAC Address Port Security, ARP Inspection and DHCP Snooping Provide Additional Security

RLH managed industrial switches are engineered to provide reliable network performance in harsh environments. The 5+1 Managed Gigabit SFP switch provides both copper and fiber Gigabit Ethernet access. This environmentally hardened Light Layer 3 switch is manageable and offers a wide array of configuration and monitoring options.

Our feature rich industrial switch meets 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)
- 2 Dual Rate SFP ports – Fast Ethernet & Gigabit
- 5 Ports of Gigabit Ethernet
- 9.6K Bytes Jumbo Frame Support
- Auto MDI/MDI-X
- Store-and-forward switching architecture
- Rugged case rated to IP-30
- Redundant power inputs with built-in alarm
- 2kV surge protection
- DIN rail & wall mountable
- UL Listed

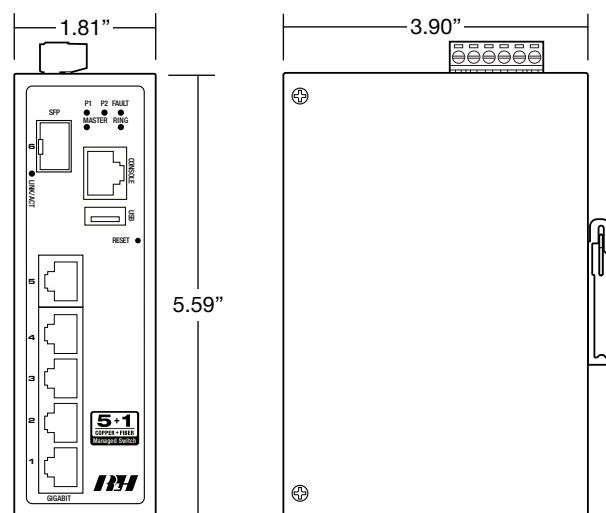
Managed Features

- Static Routing: Light Layer 3 Switch – Supports Static Routes, Inter-VLAN Routing, ACLs, IPv4/IPv6, and DHCP Option 66/67/82
- Configuration via Web, Serial, Telnet, & SSH
- Supports SNMPv3
- Supports IEEE 802.1q Vlans
- Port Mirror, Control & Monitoring



5+1 Managed Gigabit SFP Switch

Dimensions



Front Panel

Side Panel





General Specifications

| | | |
|-------------------------------|--|--|
| Data Process: | Store and Forward, CSMA/CD | |
| Standards: | IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet IEEE 802.3z Gigabit Fiber IEEE 802.3x Flow control IEEE 802.1x Network Authentication | IEEE 802.1d STP (Spanning Tree Protocol) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) IEEE 802.1Q Virtual Local Area Network (VLAN) ITU-TG.8032 / Y.1344 ERPS (Ethernet Ring Protection Switch) IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization |
| Protocols: | IGMP v1/v2, SNMP v1/v2c/v3, TFTP, SNMP, SMTP, RARP, Syslog, STP, RSTP | |
| Transfer Rates: | 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 Address: | 8k table size | |
| Ethernet Interface: | Supports Jumbo Frames, Auto MDI/MDI-X, Auto-Negotiation | |
| Ethernet Ports: | (5) 10/100/1000 Mbps (1) SFP Slots, Accepts 100 or 1000 Mbps speed modules | |
| LED Status Indicators: | Power 1 (P1), Power 2 (P2), Fault, Master, Ring 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: | 7.5 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: | 1.81" (W) x 3.90" (D) x 5.59" (H), (46mm x 99mm x 142mm) *Not including connectors or DIN bracket | |



General Specifications (cont.)

| | |
|---------------------------|---|
| Installation: | Standard 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 3rd Edition, UL 61010-2-201 1st Edition, File Number: E480850 |
| Compliance: | NDAA, TAA, NEMA TS2 (ITS), RoHS and REACH compliant |
| MTBF: | 573,218 hrs. - Telcordia SR-332, Issue 3, GB, 25°C |
| Warranty: | 5 Years - Visit www.fiber opticlink.com for warranty details |

Ordering Information

| Description | Part Number |
|--|-------------------|
| 5+1 Managed Light Layer 3 10/100/1G Industrial Ethernet Switch, SFP(100/1G) ports 12-48VDC | ETH-51GM-2 |

Contact

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