

## DATA SHEET

### 5+1 Managed Gigabit SFP Switch

#### Managed Industrial Light Layer 3 Gigabit Switch

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.

#### Key Features

- Hardened design has a wide operating temperature range -40°F to +167°F (-40°C to +75°C)
- Dual Rate SFP ports – 100Mbps & 1Gbps
- 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

#### Managed Features

- 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
- Network redundancy: G.8032 ERPS v2/ STP/RSTP/ MSTP
- Supports IEEE 802.1q Vlans
- Port Mirroring, Control, & Monitoring

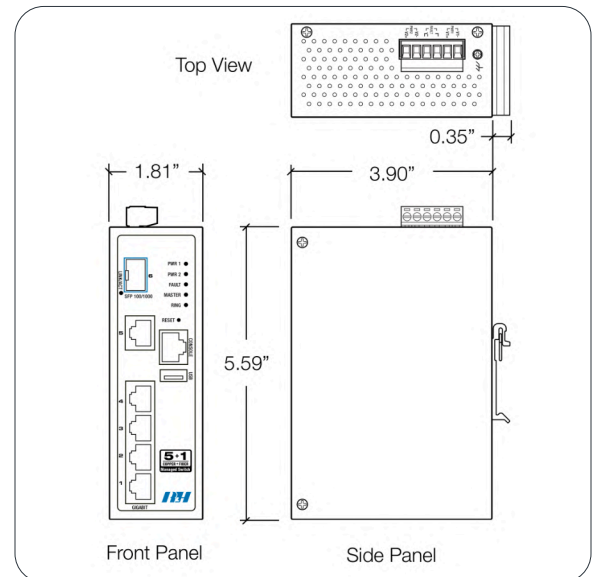
#### Ordering Information

Description	Part Number
Managed Switch, 5 Gigabit RJ-45 Ports, 1 Dual Rate SFP Port, Powering Voltage 12-48 DC	ETH-51GM-2

- SFP Transceivers are ordered separately



5+1 Managed Gigabit SFP Switch



Dimensions

## DATA SHEET

[www.fiberopticlink.com](http://www.fiberopticlink.com)

### Key Specifications

<b>Data Process:</b>	Store & Forward, CSMA/CD	
<b>Standards:</b>	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z Gigabit Fiber IEEE 802.3x flow control IEEE 802.1d STP (Spanning Tree Protocol) ITU-TG.8032 / Y.1344 ERPS (Ethernet Ring Protection Switch)	IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) IEEE 802.1Q Virtual Local Area Network (VLAN) IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization IEEE 802.1X Network Authentication
<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 Address:</b>	8K table size	
<b>Ethernet Interface:</b>	Supports Jumbo Frames, Auto MDI/MDI-X, Auto-Negotiation	
<b>Ethernet Ports:</b>	(5) 10/100/1000 Mbps, (1) SFP Slot, Accepts 100 or 1000 Mbps speed modules	
<b>LED Status Indicators:</b>	Power 1 (P1), Power 2 (P2), Fault, Master, Ring Ethernet Ports (Link and Activity)	
<b>Power Protection:</b>	Over Current, Power Reversal, Polarity Protection	
<b>Max Power Consumption:</b>	7.5 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>	1.81" (W) x 3.90" (D) x 5.59" (H), (46mm x 99mm x 142mm) *Not including connectors or DIN bracket	
<b>Installation:</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>Safety:</b>	UL61010-1, UL61010-2-201, FCC Class A, CE	
<b>Warranty:</b>	Limited 5 years	

**DATA SHEET**[www.fiberopticlink.com](http://www.fiberopticlink.com)**Contact**

---

By Mail:	Att: Sales RLH Industries, Inc. 936 N. Main St. Orange, CA 92867
----------	---

---

By Phone: Sales / Service Mon - Fri, 6am - 6pm, PST	Local	714-532-1672
	Toll Free	800-877-1672 866-DO-FIBER

---

By Email:	<a href="mailto:info@fiberopticlink.com">info@fiberopticlink.com</a>
-----------	--

---

By FAX:	714-532-1885
---------	--------------

**Tech Support**

---

By Email:	<a href="mailto:support@fiberopticlink.com">support@fiberopticlink.com</a>
-----------	--

---

By Phone:	Toll Free	855-754-2497 855-RLH-24X7
-----------	-----------	------------------------------