



## 4+4 Managed Gigabit SFP PoE+ Switch

## ETH-44GMP-1

### Managed Industrial Light Layer 3 Gigabit PoE Switch

RLH managed industrial switches are engineered to provide reliable network performance in harsh environments. The 4+4 Managed Gigabit SFP PoE+ switch provides both copper and fiber Gigabit Ethernet access, along with PoE+ powering capabilities. This environmentally hardened Light Layer 3 switch is manageable and offers a wide array of configuration and monitoring options.

The PoE+ ports provide up to 30 Watts of power to end devices following the IEEE 802.3af/at standard. The switch also comes with redundant power inputs and fault alarm relay for reliability.

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

- Wide operating temperature range of -40°C to +75°C (-40°F to +167°F)
- 4 Dual Rate SFP ports – 100Mbps & 1Gbps
- 4 Ports of Gigabit Ethernet
- 9.6Kb Jumbo Frame Support
- PoE+ up to 30 watts per port
- Auto MDI/MDI-X
- Rugged case rated to IP-30
- 48-55VDC redundant power inputs with built-in alarm
- 2kV surge protection
- DIN rail & wall mountable
- UL Listed

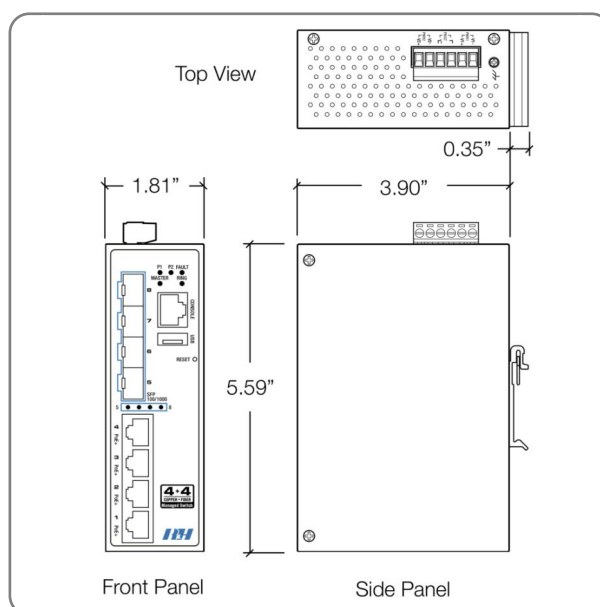
### Managed Features

- 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
- Supports SNMPv3
- Supports IEEE 802.1q Vlans
- PoE Port Control & Monitoring



4+4 Managed SFP PoE+ Switch

### Dimensions





## Specifications

<b>Data Process:</b>	Store and Forward, CSMA/CD	
<b>Standards:</b>	<b>IEEE 802.3</b> 10BaseT (Ethernet) <b>IEEE 802.3u</b> 100BaseTX (Fast Ethernet) <b>IEEE 802.3ab</b> 1000BaseT (Gigabit Ethernet) <b>IEEE 802.3af</b> Power over Ethernet (PoE) <b>IEEE 802.3at</b> Power over Ethernet Plus (PoE+) <b>IEEE 802.3x</b> flow control OSI Layer 2 Switch <b>IEEE 802.3z</b> Gigabit Fiber	<b>IEEE 802.1ad</b> Stacked VLAN, Q-in-Q <b>IEEE 802.1d</b> STP (Spanning Tree Protocol) <b>IEEE 802.1p</b> QoS/CoS Protocol for Traffic Prioritization <b>IEEE 802.1q</b> Virtual Local Area Network (VLAN) <b>IEEE 802.1s</b> MSTP (Multiple Spanning Tree Protocol) <b>IEEE 802.1w</b> RSTP (Rapid Spanning Tree Protocol) <b>IEEE 802.1x</b> Network Authentication <b>ITU-TG.8032 / Y.1344</b> ERPS (Ethernet Ring Protection Switch)
<b>Transfer Rates:</b>	14,880pps for Ethernet port 148,800pps for 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>	Supports Jumbo Frames, Auto MDI/MDI-X, Auto-Negotiation	
<b>Ethernet Ports:</b>	(4) 10/100/1000 Mbps PoE+ (4) SFP Slots, Accepts 100 or 1000 Mbps speed modules	
<b>PoE Power:</b>	30 Watts (Mode A / End Span)	
<b>PoE Pin Assignment:</b>	Positive (VCC+) – Pins 1, 2; Negative (VCC-) – Pins 3, 6; Data – Pins 1, 2, 3, 6	
<b>LED Status Indicators:</b>	Power 1 (P1), Power 2 (P2), Fault, Master, Ring Ethernet Ports (Link and Activity), PoE+ (On and Off)	
<b>Power Protection:</b>	Over Current, Power Reversal, Polarity Protection	
<b>Power Input:</b>	48~55VDC redundant power inputs (6 position pluggable terminal block)	
<b>Power Consumption:</b>	Max. 135 Watts (assuming full PoE load)	
<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)	



## Specifications (cont'd)

<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>	CE, FCC Class A, UL 61010-1 3rd Edition, UL 61010-2-201 1st Edition, File Number: E480850
<b>Compliance:</b>	NDAA, TAA, RoHS and REACH compliant
<b>MTBF:</b>	468,669 hrs. Telcordia SR-332, Issue 3, GB, 25°C
<b>Warranty:</b>	5 Years Visit <a href="http://www.fiberopticlink.com">www.fiberopticlink.com</a> for warranty details

## Ordering Information

Description	Part Number
Managed Switch, 4 Gigabit RJ-45 Ports, 4 Dual Rate SFP Ports, 30 Watt PoE+, Powering Voltage 48~55 DC	<b>ETH-44GMP-1</b>

- SFP Transceivers are ordered separately

## Contact

<b>By Mail:</b>	ATTN: Sales  RLH Industries, Inc. 936 N. Main Street Orange, CA 92867
<b>By Phone:</b>	Local 714-532-1672
<b>Sales/Service:</b>	Toll Free 800-877-1672
<b>By Email:</b>	<a href="mailto:info@fiberopticlink.com">info@fiberopticlink.com</a>
<b>By Fax:</b>	714-532-1885

## Support

<b>By Email:</b>	<a href="mailto:support@fiberopticlink.com">support@fiberopticlink.com</a>
<b>By Phone:</b>	Toll Free 855-754-2497