



8+4 Managed Gigabit SFP Switch

ETH-84GM-1

Managed Industrial Light Layer 3 Gigabit Switch

RLH managed industrial switches are engineered to provide reliable network performance in harsh environments. The 8+4 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

- Wide operating temperature range of -40°C to +75°C (-40°F to +167°F)
- 4 Dual Rate SFP ports – 100Mbps & 1Gbps
- 8 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

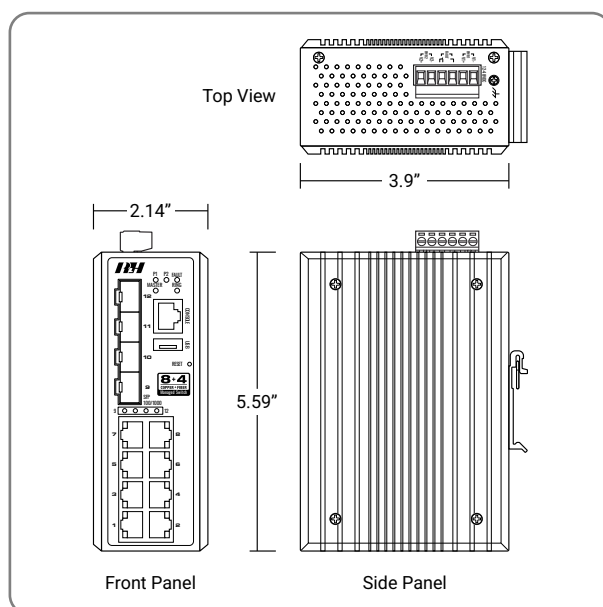
Managed Features

- 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 Vlan
- PoE Port Control & Monitoring



8+4 Managed Gigabit SFP Switch

Dimensions





Specifications

Switch Characteristics

Data Process: Store & Forward, CSMA/CD

Standards:	IEEE 802.3 10BaseT Ethernet	IEEE 802.1d STP (Spanning Tree Protocol)
	IEEE 802.3u 100BaseTX Fast Ethernet	IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization
	IEEE 802.3ab 1000BaseT	IEEE 802.1Q Virtual Local Area Network (VLAN)
	IEEE 802.3z Gigabit Fiber	IEEE 802.1s MSTP (Multiple Spanning Tree Protocol)
	IEEE 802.3x flow control	IEEE 802.1w RSTP (Rapid Spanning Tree Protocol)
	IEEE 802.1ad Stacked VLAN, Q-in-Q	OSI Layer 3 Switch
	IEEE 802.1x Network Authentication	ITU-TG.8032 / Y.1344 ERPS (Ethernet Ring Protection Switch)

Protocols: IGMP v1/v2, SNMP v1/v2c/v3, TFTP, SNTP, SMTP, RARP, Syslog

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 9.6Kbytes, Auto MDI/MDI-X, Auto-Negotiation

Ethernet Ports:
(8) RJ-45 - 10/100/1000 Mbps
(4) SFP Ports – Accepts 100 or 1000 speed SFP 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: 17 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: 2.14" (W) x 3.90" (D) x 5.59" (H), (55mm x 99mm x 142mm) *Not including connectors or DIN bracket



Specifications (cont.)

Switch Characteristics

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, 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, UL Class 1/Div.2	
Compliance:	NDA, TAA, NEMA TS2 (ITS), RoHS and REACH compliant	
MTBF:	536,427 hrs.	Telcordia SR-332, Issue 3, GB, 25°C
Warranty:	5 Years	Visit www.fiberopticlink.com for warranty details

Ordering Information

Description	Part Number
Managed Switch, 8 Gigabit RJ-45 Ports, 4 Dual Rate SFP Ports, Powering Voltage 12~48 DC	ETH-84GM-1

Contact

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

Support

By Email:	support@fiberopticlink.com
By Phone:	Toll Free 855-754-2497