

DATA SHEET

8+4 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 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.

Key Features

- Hardened design has a wide operating temperature range -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

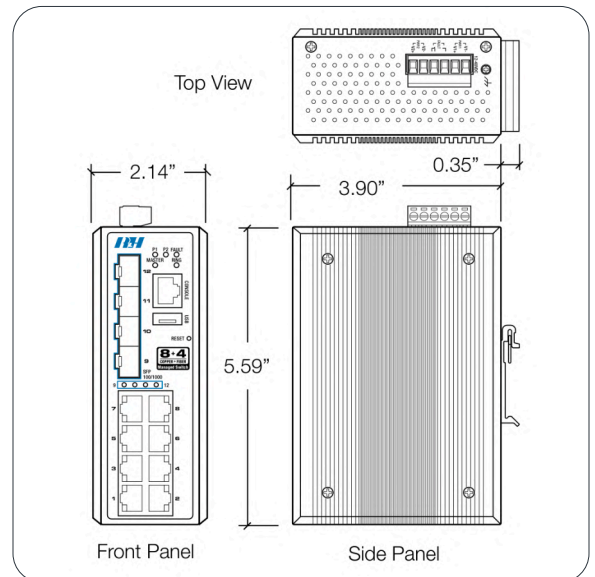
- Static Routing: Light Layer 3 Switch – Supports Static Routes, Inter-VLAN Routing, ACLs, IPv4/IPv6, and DHCP Option 66/67/82
- Configuration via Web, Serial, Telnet, & SSH
- Supports SNMPv3
- Supports IEEE 802.1q Vlans
- PoE Port Control & Monitoring

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



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Dimensions

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Key Specifications

Data Process:	Store & Forward, CSMA/CD
Standards:	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z Gigabit Fiber IEEE 802.1d STP (Spanning Tree Protocol) IEEE 802.3x flow control IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) IEEE 802.1x Network Authentication ITU-TG.8032 / Y.1344 ERPS (Ethernet Ring Protection Switch)
	IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) IEEE 802.1Q Virtual Local Area Network (VLAN) IEEE 802.1ad Stacked VLAN, Q-in-Q IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization OSI Layer 3 Switch
Protocols:	IGMP v1/v2, SNMP v1/v2c/v3, TFTP, SNMP, 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, Auto MDI/MDI-X, Auto-Negotiation
Ethernet Ports:	(8) 10/100/1000 Mbps (4) 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)
Max Power Consumption:	17 Watts
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

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Key Specifications (cont'd)

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 and UL 61010-2-201 1st Edition, File Number: E480850
Warranty:	Limited 5 Year

Contact

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