



8+2 Managed Gigabit SFP+ Switch

Managed Industrial Light Layer 3 Gigabit SFP+ Switch

RLH managed industrial switches are engineered to provide reliable network performance in harsh environments. The 8+2 Managed Gigabit SFP+ Switch provides both copper and fiber Gigabit Ethernet access, including two dual-rated SFP+ ports that also support 10G bandwidth. This environmentally hardened Light Layer 3 switch is fully manageable and offers a wide array of configuration and monitoring options.

Our feature rich industrial switches meet the demands of a variety of applications, and are an ideal solution for a wide range of utility and automation environments.



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Features

System

- 2 Dual Rate SFP ports – 1G/10G
- 8 Copper 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

- 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
- Supports QoS, LACP bandwidth control

Environment

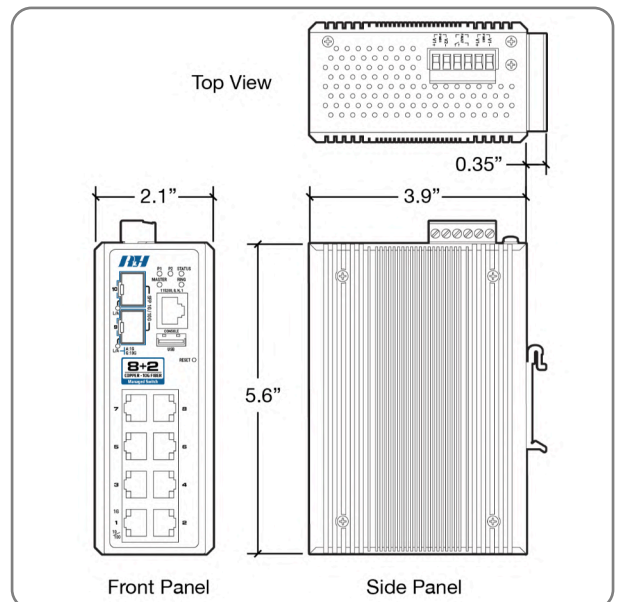
- Hardened to operate in -40°F to +140°F (-40°C to +60°C)
- DIN rail or Wall Mount (Wall mount ears included)

Power

- 12~48VDC redundant power inputs (6 position pluggable terminal block)

Quality

- Covered by our Limited 5-Year Warranty



Dimensions



General 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 1000Base-X Gigabit IEEE 802.3ae 10 Gigabit Ethernet IEEE 802.3x flow control IEEE 802.1x Network IEEE 802.1d STP (Spanning Tree Protocol) ITU-T G.8032 / Y.1344 ERPS v1/v2 (Ethernet Ring Protection Switch)	IEEE 802.1AB Link Layer Discovery Protocol (LLDP) IEEE 802.3ad Link Aggregation (LACP) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) IEEE 802.1Q Virtual Local Area Network (VLAN) IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization IEEE 802.1ag standard for Connectivity Fault Management
Protocols	IGMP v1/v2, SNMP v1/v2c/v3, TFTP, NTP, SMTP, ARP/RARP, Syslog, STP/RSTP/MSTP	
Transfer Rates	14,880pps - Ethernet port 148,800pps - Fast Ethernet port 1,488,000pps - Gigabit Ethernet port 14,880,000pps - 10 Gigabit Ethernet Port	
Transmission Distance	Up to 100 Meters / 328 Feet over twisted pair	
MAC Address	16K table size	
Ethernet Interface	Supports Jumbo Frames (up to 9.6KB), Auto MDI/MDI-X, Auto-Negotiation	
Ethernet Ports	(8 Copper) RJ45 Ports, 10/100/1000 Mbps (2 Fiber) Dual-rated SFP+ Slots, 1/10 Gbps	
LED Status Indicators	Power 1 (P1), Power 2 (P2), Fault, Master, Ring Ethernet Ports (Link and Activity)	
Power Protection	Power Failover, Reverse Input Polarity	
Power Input	12~48VDC redundant power inputs (6 position pluggable terminal block)	
Max Power Consumption	15.5 Watts	
Fault Output	1 Relay output (SPST) rated for 24VDC @ 1 Amp	
Operating Temperature	-40°C to 60°C (-40°F to 140°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	
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 - Visit www.fiber optic.com for warranty information and coverage details	



Ordering Information

Description	Part Number
Managed Switch, 8 Gigabit RJ-45 Ports, 2 1G/10G SFP Ports, Powering Voltage 12~48 DC	ETH-82GXM-1

- SFP Transceivers are ordered separately
- Please contact your RLH sales representative for pricing and delivery information

Contact

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