8+2 Managed 10/100/1G SFP+ Industrial Switch

ETH-82GXM-1

10G Uplink SFP+ Ports, LACP and ERPS Enhancing Backhaul Features

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.

8+2 Managed 10/100/1G SFP+

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

Power
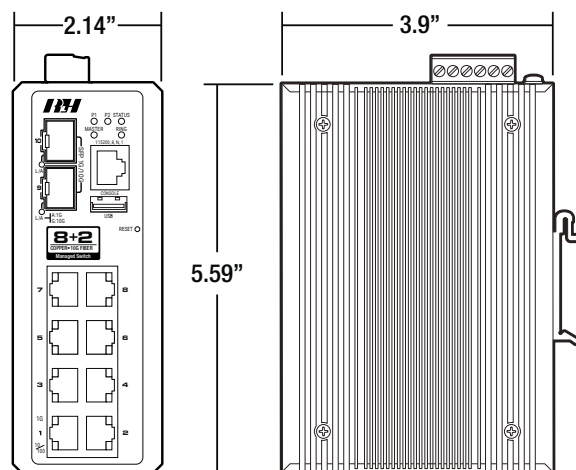- 12~48VDC dual redundant power inputs

Quality
- Covered by our Limited 5-Year Warranty

Dimensions

Front Panel — 2.14" / 5.59"

Side View — 3.9"

General Specifications

Data Process:	Store & Forward, CSMA/CD
Standards:	**IEEE 802.3** 10BaseT Ethernet **IEEE 802.3u** 100BaseTX Fast Ethernet **IEEE 802.3ab** 1000BaseT Gigabit Ethernet **IEEE 802.3z** Gigabit Fiber **IEEE 802.3x** flow control **EEE 802.1x** Network Authentication **IEEE 802.1ad** Stacked VLAN, Q-in-Q **IEEE 802.1d** STP (Spanning Tree Protocol) OSI Layer 3 Switch **IEEE 802.1s** MSTP (Multiple Spanning Tree Protocol) **IEEE 802.1w** RSTP (Rapid Spanning Tree Protocol) **IEEE 802.1Q** Virtual Local Area Network (VLAN) **IEEE 802.1x** Network Authentication **ITU-TG.8032 / Y.1344** ERPS (Ethernet Ring Protection Switch) **IEEE 802.1p** QoS/CoS Protocol for Traffic Prioritization
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)
Power Consumption:	15.5 Watts Max.
Fault Output:	1 Relay output (SPST) rated for 24VDC @ 1 Amp
Temperature:	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

General Specifications (cont.)

Compliance:	NDAA, TAA, NEMA TS2 (ITS), RoHS and REACH compliant
MTBF:	471,513 hrs. - Telcordia SR-332, Issue 3, GB, 25°C
Warranty:	5 Years - Visit www.fiberoptic.com for warranty information and coverage details

Ordering Information

Description	Part Number
8+2 Managed Light Layer 3 10/100/1G Industrial Ethernet Switch, SFP+(1G/10G) ports 12-48VDC	**ETH-82GXM-1**

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

Contact

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