



RLH Industries, Inc.

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PRODUCT DATA SHEET

DS-145 2025-1003

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

ETH-82GM-1

MAC Address Port Security, ARP Inspection and DHCP Snooping Provide Additional Security

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. 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

- Hardened to operate in -40°C to +75°C (-40°F to +167°F)
- 2 Dual Rate SFP ports – Fast Ethernet & Gigabit
- 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

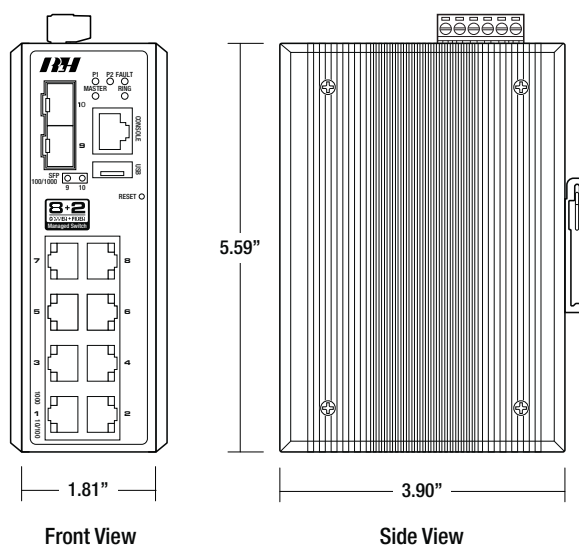
Managed Features

- Static Routing: Light Layer 3 Switch – Supports Static Routes, Inter-VLAN Routing, ACLs, IPv4/IPv6, and DHCP Option 66/72
- Configuration via Web, Serial, Telnet, & SSH
- Supports SNMPv3
- Supports IEEE 802.1q Vlans
- Port Mirroring, Control & Monitoring



8+2 Managed 10/100/1G SFP

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 Gigabit Fiber IEEE 802.3x flow control IEEE 802.1ad Stacked VLAN, Q-in-Q IEEE 802.1x Network Authentication	IEEE 802.1d STP (Spanning Tree Protocol) IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization IEEE 802.1Q Virtual Local Area Network (VLAN) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) OSI Layer 3 Switch 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 (2) 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:	15 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	



General Specifications (cont.)

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, UL 61010-2-201, File Number: E480850, UL Class 1/Div.2, ISA 12.12.01
Compliance:	NDAA, TAA, NEMA TS2 (ITS), RoHS and REACH compliant
MTBF:	571,361 hrs. - Telcordia SR-332, Issue 3, GB, 25°C
Warranty:	5 Years - Visit www.fiberopticlink.com for warranty details

Ordering Information

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

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