



RLH Industries, Inc.

fiberopticlink.com

PRODUCT
DATA SHEET

DS-170 2025-1001

16+2 Unmanaged 10/100/1G SFP Industrial Switch

ETH-162G-1

High Port Count 12-48 VDC Powered, UL Listed

RLH industrial Ethernet switches are engineered to provide reliable network performance in harsh environments. The 16+2 Gigabit SFP switch is an unmanaged switch with 16-port 10/100/1000BASE-T, and 2-port SFP dual rate. The dual rate SFP slots support 100BASE-FX and 1000BASE-FX MSA Compliant SFP transceivers.

RLH Switches are engineered with robust features and construction to meet the demands of a variety of industrial applications. The 16+2 Switch includes standard design features such as 12~48VDC dual redundant power inputs, fault alarm relay, DIN rail and wall mounting hardware, and -40°C to 75°C operating temperature range.

RLH Switches are an ideal solution for a wide range of utility and automation network environments.

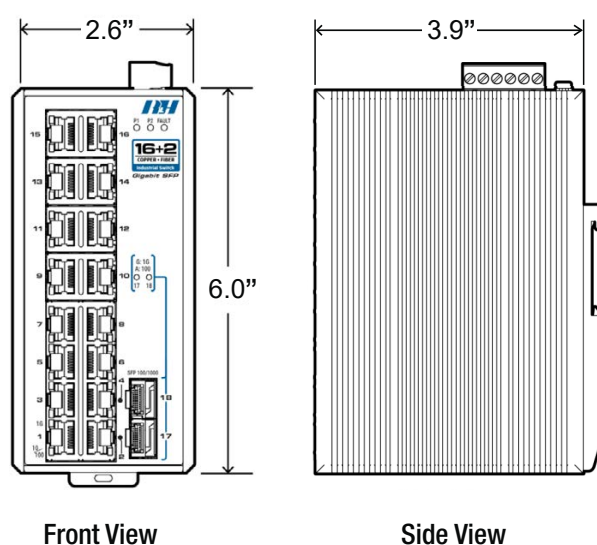


16+2 Unmanaged 10/100/1G SFP

Features

- 16 Gigabit Ethernet ports
- 2 Dual Rate SFP slots -100Mbps & 1Gbps
- Hardened to operate in -40°C to 75°C (-40°F to 167°F)
- 12~48VDC dual redundant power inputs
- Power fault alarm relay
- Rugged IP30 housing, DIN rail & wall mountable
- UL, CE, and FCC certification
- TAA and NDAA compliant
- 5 Year Warranty

Dimensions



Front View

Side View





General Specifications

Standards:	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Fiber
Data Process:	Store & Forward, CSMA/CD
Protocol:	CSMA/CD
Flow Control:	IEEE 802.3x flow control, back pressure flow control
Transfer Rate:	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:	(16) 10/100/1000 Mbps
	(2) SFP Slots, Accepts 100 or 1000 Mbps speed transceivers
LED Status Indicators:	Power 1 (P1), Power 2 (P2), Fault
	Ethernet Ports (Link and Activity)
	SFP (Amber 100Mbps, Green 1000Mbps)
Power Protection:	Over Current, Power Reversal, Polarity Protection
Power Input:	12~48VDC redundant power inputs (6 position pluggable terminal block)
Power Consumption	15.4 Watts Full Loading
Fault Output	1 Normally Open (SPST) alarm 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



General Specifications (cont.)

Case Dimensions	2.6" (W) x 3.9" (D) x 5.6" (H), (67mm 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 Class A
Stability Testing	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)
Safety	CE, FCC Class A, UL 61010-1 and UL 61010-2-201
Compliance	NDAA, TAA, RoHS and REACH compliant
MTBF	731,474 hrs. - Telcordia SR-332, Issue 3, GB, 25°C
Warranty	5 Years - Visit www.fiberopticlink.com for warranty details

Ordering Information

Description	Part Number
16+2 Unmanaged 10/100/1G Industrial Ethernet Switch, SFP (100/1g) Ports 12-48VDC	ETH-162G-1

- SFP Transceivers are ordered separately. See a list of RLH SFP Transceivers on our website.
- Please contact your RLH sales representative for pricing and delivery information.

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