16+2 Gigabit SFP Switch

Industrial Ethernet Switch with High Port Density

RLH industrial switches are engineered to provide reliable network performance in harsh environments. The 16+2 Gigabit SFP switch is an unmanaged switch that accepts both copper and fiber Gigabit Ethernet access. Dual rate industrial grade SFPs are recommended.

It is environmentally hardened to operate over a wide temperature range, which makes it ideal for locations that are found in industrial locations, such as in factory, utility, equipment closets, and other uncontrolled environments.
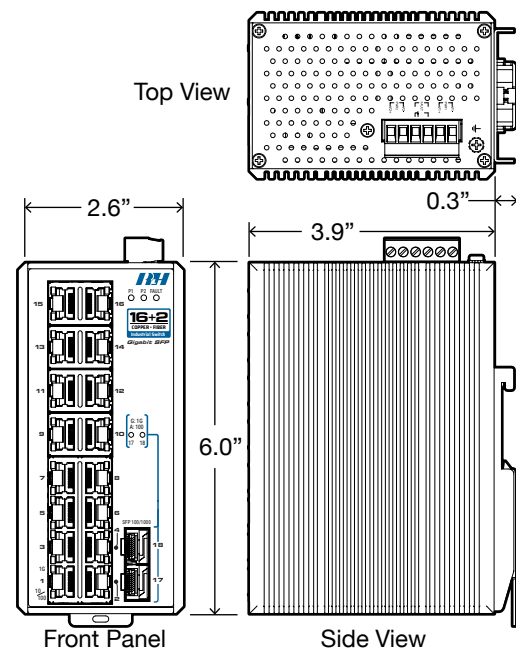
Our industrial switches are engineered with robust features and construction to meet the demands of a variety of applications, and are an ideal solution for a wide range of utility and automation environments.

16+2 Port Gigabit SFP Switch

Features

- Hardened design has a wide operating temperature range -40°F to +167°F (-40°C to +75°C)

- 2 Dual Rate SFP ports - 100Mbps & 1Gbps

- 16 ports Gigabit Ethernet

- Supports Jumbo Frames

- Auto MDI/MDI-X

- Store-and-forward switching architecture

- Rugged case rated to IP30

- 12-48VDC redundant power inputs with built-in alarm

- 2kV surge protection

- DIN rail & wall mountable

- UL Listed

Top View

2.6"

0.3"

3.9"

6.0"

Front Panel

Side View

Dimensional Information

General Specifications

Standards	IEEE 802.3 10BaseT Ethernet
	IEEE 802.3u 100BaseTX Fast Ethernet
	IEEE 802.3ab 1000BaseT
	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)
Power Protection	Over Current, Power Reversal, Polarity Protection
Power Input	12~48VDC redundant power inputs (6 position pluggable terminal block)
Max Power Consumption	15.4 Watts Full Loading
Fault Output	1 Normally Open (SPST) alarm relay output rated for 24VDC @ 1 Amp
Operating Temperature	-40°F to 167°F (-40°C to 75°C)
Storage Temperature	-40°F to 185°F (-40°C to 85°C)
Operating Humidity	5% to 95% (Non-Condensing)
Construction	Powder coated IP30 steel housing
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, RoHS and REACH compliant
Warranty	Limited 5 years *Visit* **www.fiberopticlink.com** *for warranty details*

Ordering Information

Description			Part Number
16+2 Gigabit SFP Switch	12~48VDC	(16) Gigabit Ethernet, (2) SFP Slots	ETH-162G-1

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