

DATA SHEET

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DS-M053 2024-05-31

5+2 Gigabit SFP PoE+ Switch

Industrial PoE+ Gigabit SFP Switch

RLH industrial switches are engineered to provide reliable network performance in harsh environments. The 5+2 Gigabit SFP PoE+ switch provides both copper and fiber Gigabit Ethernet access, along with PoE+ powering capabilities. It is environmentally hardened to operate in a wide temperature range, which is the standard for RLH equipment.

The PoE+ ports provide up to 30 Watts of power to end devices following the IEEE 802.3af/at standard. The unique Flex Power feature allows the device to maintain a consistent PoE+ voltage to end devices regardless of the DC powering voltage provided.

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

Key Features

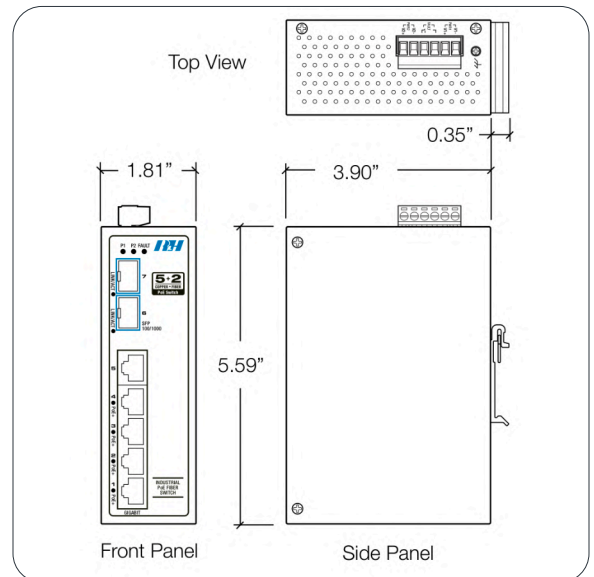
- Hardened design has a wide operating temperature range -40°F to +167°F (-40°C to +75°C)
- Flex Power – Constant 48VDC PoE+ power (at low input voltages)
- 2 Dual Rate SFP Ports - 100Mbps & 1Gbps
- 4 PoE+ ports with up to 30 watts per port
- IEEE 802.3af/at Power Over Ethernet
- PoE Mode A (End Span)
- Auto MDI/MDI-X
- 12~48VDC redundant power inputs with built-in alarm
- 2kV surge protection
- DIN rail & wall mountable
- UL Listed

Ordering Information

Description	Part Number
5 Gigabit RJ-45 Ports, 2 Dual Rate SFP Ports, 30 Watt PoE+	ETH-52GP-1



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Dimensions

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Key Specifications

Data Process:	Store & Forward, CSMA/CD	
Standards:	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3af/at Power over Ethernet	IEEE 802.3ab 1000BaseT IEEE 802.3z Gigabit Fiber IEEE 802.3x Ethernet Flow Control
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, Auto MDI/MDI-X, Auto-Negotiation	
Ethernet Ports:	(1) 10/100/1000 Mbps (4) 10/100/1000 Mbps PoE+ (2) SFP Slots, Accepts 100 or 1000 Mbps speed modules	
PoE Power:	30 Watts (Mode A / End Span)	
Flex Power:	Max. PoE Output: 60W/12VDC, 120W/36~55VDC	
PoE Pin Assignment:	Positive (VCC+) – Pins 1, 2; Negative (VCC-) – Pins 3, 6; Data – Pins 1, 2, 3, 6	
LED Status Indicators:	Power 1 (P1), Power 2 (P2), Fault Ethernet Ports (Link and Activity), PoE+ (On and Off)	
Power Protection:	Over Current, Power Reversal, Polarity Protection	
Power Input:	12~55VDC redundant power inputs (Maximum 6 Amps)	
Max Power Consumption:	130 Watts (assuming full PoE load)	
Fault Output:	1 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:	1.81" (W) x 3.90" (D) x 5.59" (H), (46mm x 99mm x 142mm) *Not including connectors or DIN bracket	
Installation:	Standard DIN rail (TS-35) or wall mount *Wall mount brackets included	

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Key Specifications (cont'd)

EMI:	FCC Class A, CE EN61000-4-2/3/4/5/6/8/11/12, 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 and UL 61010-2-201, File Number: E480850
Warranty:	5 Years
Environmental:	RoHS

Contact

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