

DATA SHEET

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4+4 Managed Gigabit SFP PoE+ Switch

Managed Industrial Light Layer 3 Gigabit PoE Switch

RLH managed industrial switches are engineered to provide reliable network performance in harsh environments. The 4+4 Managed Gigabit SFP PoE+ switch provides both copper and fiber Gigabit Ethernet access, along with PoE+ powering capabilities. This environmentally hardened Light Layer 3 switch is manageable and offers a wide array of configuration and monitoring options.

The PoE+ ports provide up to 30 Watts of power to end devices following the IEEE 802.3af/at standard. The switch also comes with redundant power inputs and fault alarm relay for reliability.

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.

Key Features

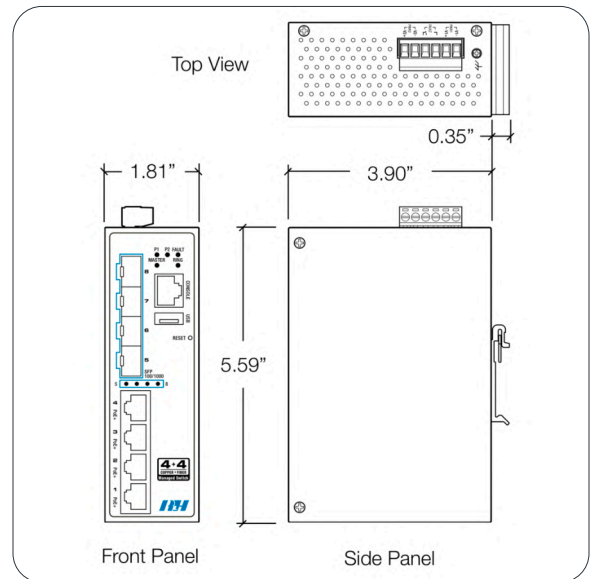
- Hardened design has a wide operating temperature range - 40°F to +167°F (-40°C to +75°C)
- 4 Dual Rate SFP ports – 100Mbps & 1Gbps
- 4 Ports of Gigabit Ethernet
- 9.6Kb Jumbo Frame Support
- PoE+ up to 30 watts per port
- Auto MDI/MDI-X
- Rugged case rated to IP-30
- 48-55VDC redundant power inputs with built-in alarm
- 2kV surge protection
- DIN rail & wall mountable
- UL Listed

Managed Features

- 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 Vlan
- PoE Port Control & Monitoring



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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 802.3ab 1000BaseT IEEE 802.3z Gigabit Fiber IEEE 802.3af/at Power over Ethernet IEEE 802.3x flow control IEEE 802.1d STP (Spanning Tree Protocol) IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization ITU-TG.8032 / Y.1344 ERPS (Ethernet Ring Protection Switch)	IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) IEEE 802.1Q Virtual Local Area Network (VLAN) IEEE 802.1ad Stacked VLAN, Q-in-Q IEEE 802.1X Network Authentication OSI Layer 2 Switch
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:	(4) 10/100/1000 Mbps PoE+ (4) SFP Slots, Accepts 100 or 1000 Mbps speed modules	
PoE Power:	30 Watts (Mode A / End Span)	
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, Master, Ring Ethernet Ports (Link and Activity)	
Power Protection:	Over Current, Power Reversal, Polarity Protection	
Power Input:	48~55VDC redundant power inputs (6 position pluggable terminal block)	
Max Power Consumption:	135 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	

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Installation:	Standard DIN rail (TS-35) or wall mount *Wall mount brackets included
EMI:	FCC Class A, CE EN61000-4-2/3/4/5/6/8/11/12, CE EN61000-6-2, CE EN61000-6-4
Stability Testing:	IEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)
Safety:	FCC Class A, CE, UL 61010-1 3rd Edition and UL 61010-2-201 1st Edition, File Number: E480850
Warranty:	5 Years

Ordering Information

Description	Part Number
Managed Switch, 4 Gigabit RJ-45 Ports, 4 Dual Rate SFP Ports, 30 Watt PoE+, Powering Voltage 48~55 DC	ETH-44GMP-1

- SFP Transceivers are ordered separately

Contact

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