RLH Industries, Inc.

fiberopticlink.com

PRODUCT DATA SHEET

DS-186 2025-0424

8 Port Gigabit Unmanaged Ethernet Switch

Industrial, Rugged, & Compact

RLH industrial switches are engineered to provide reliable network performance in harsh environments. The ETH-8G-1 8 Port 10/100/1000 Gigabit Switch comes standard with redundant power inputs and a fault alarm. It is environmentally hardened to operate in a wide temperature range, which is the standard for RLH equipment.

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

Features

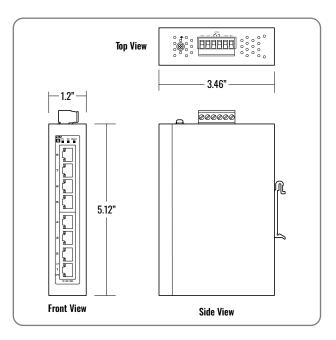
- 8 Ports of 10/100/1000 Gigabit Ethernet
- Wide operating temperature range -40°F to +167°F (-40°C to +75°C)
- 12-48VDC dual redundant power inputs
- Rugged IP-30 rated case
- Overcurrent and Polarity Protection
- DIN rail & wall mountable
- UL Listed, Class 1 Division 2 Hazardous Location Certified
- TAA, NDAA, REACH, CE, FCC Class A, and RoHS Complaint
- Meets NEMA TS2 Requirements for Traffic Control
- Covered by our 5 year warranty





8 Port Gigabit Unmanaged Industrial Ethernet Switch

Dimensions



ETH-8G-1



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Specifications

Data Process Store & Forward, CSMA/CD IEEE 802.31 IOBSaeT (Ethernet) IEEE 802.30 IODBSaeTX (Fast Ethernet) IEEE 802.30 IODBSaeTX (Fast Ethernet) Transfer Rate 14,8800pps - Ethernet port 148,800pps - Fast Ethernet port 148,800pps - Fast Ethernet port 148,800pps - Gigabit Ethernet port 148,800pps - Gigabit Ethernet port 148,800pps - Gigabit Ethernet port 148,800pps - Gigabit Ethernet port 148,800pps - Fast Ethernet port 148,800pps - Fast Ethernet port 148,800pps - Gigabit Ethernet port 149,800 Mbps Ethernet Ports 90,800 Mbps 80,800 Mbps 10,000 Mbps 10,0		
StandardsEEE 802.3u 100BaseTX (Fast Ethernet) IEEE 802.3ab 1000BaseT (Gigabi Ethernet) IEEE 802.3ab 1000BaseT (Gigabi Ethernet) IEEE 802.3ab 1000BaseT (Gigabi Ethernet) IEEE 802.3ab 1000BaseT (Gigabi Ethernet) Ass000ps - Fast Ethernet port 1.488,000ps - Fast Ethernet port 1.488,000ps - Fast Ethernet port 1.488,000ps - Gigabi Ethernet port 1.488,000ps - Gigabi Ethernet port 1.488,000ps - Gigabi Ethernet port 1.488,000ps - Gigabi Ethernet portTransfission DistanceUp to 100 Meters over twisted pairTransmission SpeedUp to 1000MbpsACT Table Size8KEthernet InterfaceSpoports Jumbo Frames (up to 9.6KB), Auto MDI/MDI-X, Auto-NegotiationEthernet InterfaceOpports Jumbo Frames (up to 9.6KB), Auto MDI/MDI-X, Auto-NegotiationPower PortectionSports Jumbo Frames (up to 9.6KB), Auto MDI/MDI-X, Auto-NegotiationPower InputOver Current, Polarity ProtectionPower InputOver Current, Polarity ProtectionPower Input12-48VDC redundant power inputs (6 position pluggable terminal block)Max Power Consumptio9.2 VattsGorage Temperature4.00°F to 168°F (-40°C to 75°C)Storage Temperature4.00°F to 168°F (-40°C to 75°C)Operating Humidity% 19.695% (Non-Condensing)Gosage Dimensions1.18' (W) x 3.74' (D) x 5.51'' (H), Giomm x 95mm x 140mm) *Not including connectors or DIN bracketMathinUnit Giss Gos Current Vall mount brackets includedGase Dimensions1.18' (W) x 3.74' (D) x 5.51'' (H), Giomm x 95mm x 140mm) *Not including connectors or DIN bracketMetaltyEcocose-2.20 (Free fall.) IECCOMBe-2.20 (Ebhotolo-2.6C EN6100-6.4C <th< th=""><th>Data Process</th><th>Store & Forward, CSMA/CD</th></th<>	Data Process	Store & Forward, CSMA/CD
Transfer Rate14,880pps - Ethernet port 1,488,000pps - Gigabit Ethernet portTransmission SpeedUp to 100 Meters over twisted pairMAC Table Size8KEthernet InterfaceSupports Jumbo Frames (up to 9.6KB), Auto MDI/MDI-X, Auto-NegotiationEthernet Ports(Ø) 10/100/1000 MbpsEthernet Ports(Ø) 10/100/1000 MbpsPower 1 (P1), Power 2 (P2), Redundant Power Loss (FAULT) Ethrenet Ports (Link and Activity)Power ProtectionOver Current, Polarity ProtectionPower Consumptio9.2 WattsFault Output1 Relay output rated for 24VDC @ 1 AmpOperating Temperature-40°F to 167°F (-40°C to 75°C)Operating Temperature-40°F to 167°F (-40°C to 75°C)Operating Temperature-40°F to 167°F (-40°C to 55°C)Operating Temperature-40°F to 167°F (-40°C to 75°C)Operating Temperature-10°F to 185°F (-40°C to 55°C)Operating Temperature-40°F to 167°F (-40°C to 55°C)Operating Temperature-10°F to 35°C (-10°C to 35°C)Operating Temperature-10°F to 35°F (-40°C to 55°C)Operating Temperature-10°F to 35°F (-40°C to 55°C)Operating Temperature-10°F to 167°F (-40°C to 55°C)Operating Temperature-10°F to 167°F (-40°C to 75°C)ConstructionPowder coated IP30 steel housingCase Dimensions11° (W) x3.74° (D) x 5.1°' (H), (30°mm x 95°mm x 140°mm) 'Not including connectors or DIN bra	Standards	IEEE 802.3u 100BaseTX (Fast Ethernet) IEEE 802.3ab 1000BaseT (Gigabit Ethernet)
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Storage Temperature-40°F to 185°F (-40°C to 85°C)Operating Humidity5% to 95% (Non-Condensing)ConstructionPowder coated IP30 steel housingCase Dimensions1.18" (W) x 3.74" (D) x 5.51" (H), (30mm x 95mm x 140mm) *Not including connectors or DIN bracketWeightUnit weight: 1.14 lbs. (0.52 kg), Shipping weight: 1.43 lbs. (0.65 kg)InstallationDIN rail (TS-35) or wall mount *Wall mount brackets includedEMIFCC Class A, CE EN61000-4-2/3/4/5/6/8/11/12, CE EN61000-6-2, CE EN61000-6-4Stability TestingIEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)SafetyCE, FCC Class A, UL 61010-1 and UL 61010-2-201, File Number: E480850MTBF1,283,579 hours.	Fault Output	1 Relay output rated for 24VDC @ 1 Amp
Operating Humidity5% to 95% (Non-Condensing)ConstructionPowder coated IP30 steel housingCase Dimensions1.18" (W) x 3.74" (D) x 5.51" (H), (30mm x 95mm x 140mm) *Not including connectors or DIN bracketWeightUnit weight: 1.14 lbs. (0.52 kg), Shipping weight: 1.43 lbs. (0.65 kg)InstallationDIN rail (TS-35) or wall mount *Wall mount brackets includedEMIFCC Class A, CE EN61000-4-2/3/4/5/6/8/11/12, CE EN61000-6-2, CE EN61000-6-4Stability TestingIEC60068-2-32 (Free fall), IEC60068-2-27 (Shock), IEC60068-2-6 (Vibration)SafetyCE, FCC Class A, UL 61010-1 and UL 61010-2-201, File Number: E480850MTBF1,283,579 hours.	Operating Temperature	-40°F to 167°F (-40°C to 75°C)
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Installation 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 CE, FCC Class A, UL 61010-1 and UL 61010-2-201, File Number: E480850 MTBF 1,283,579 hours. (Telcordia SR-332, Issue 3, GB, 25°C)	Case Dimensions	1.18" (W) x 3.74" (D) x 5.51" (H), (30mm x 95mm x 140mm) *Not including connectors or DIN bracket
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 MTBF 1,283,579 hours. (Telcordia SR-332, Issue 3, GB, 25°C)	Weight	Unit weight: 1.14 lbs. (0.52 kg), Shipping weight: 1.43 lbs. (0.65 kg)
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 MTBF 1,283,579 hours. (Telcordia SR-332, Issue 3, GB, 25°C)	Installation	DIN rail (TS-35) or wall mount *Wall mount brackets included
Safety CE, FCC Class A, UL 61010-1 and UL 61010-2-201, File Number: E480850 MTBF 1,283,579 hours. (Telcordia SR-332, Issue 3, GB, 25°C)	EMI	FCC Class A, CE EN61000-4-2/3/4/5/6/8/11/12, CE EN61000-6-2, CE EN61000-6-4
MTBF 1,283,579 hours. (Telcordia SR-332, Issue 3, GB, 25°C)	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 See www.fiberopticlink.com for warranty details	MTBF	1,283,579 hours. (Telcordia SR-332, Issue 3, GB, 25°C)
	Warranty	5 years See www.fiberopticlink.com for warranty details

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