Gigabit Ethernet Industrial Switch

ROBOfiber™

HGW-808S

8 x 10/100/1000Base–Tx and 8 x 1000Base-X SFP Industrial Switch

The HGW-808S is an 8 port Gigabit Ethernet 10/100/1000Base-Tx & 8x 1000Base-X non-managed Industrial Ethernet Switch, hardened for extreme operating temperatures: -40 to +75 Celsius. Industrial Switches are housed in IP40 rated rugged metal housings designed to operate in difficult conditions, including mechanically and electrically extreme environments. All Industrial switches have strong surge protection (8kV) per port, depending on models and strict compliance with IEC and EN standards for industrial grade equipment.
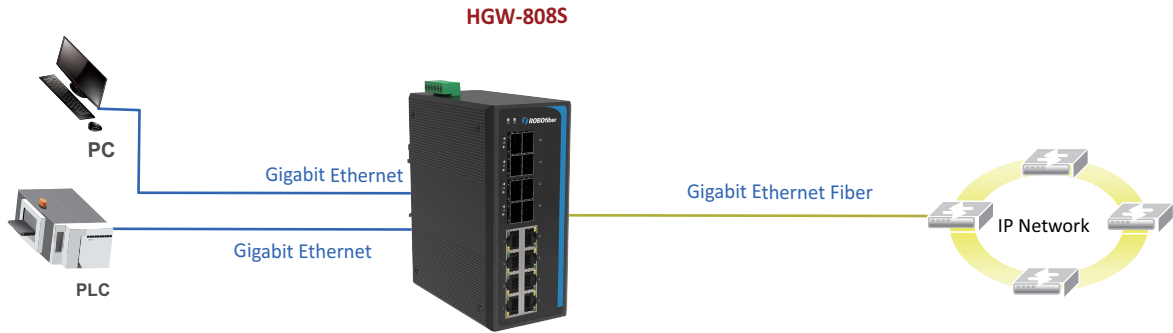
Features

- DC power input block 9-56V
- Extreme operating temperature: -40 to +75 Celsius
- Rugged IP40 rated metal casing with DIN rail bracket
- Store and Forward switching mechanism
- Reversed power polarity protection

- Auto-Negotiation & Auto MDI/MDI-X on every RJ45 port
- Supports 8kV surge protection per port on all TP ports
- Supports IEEE 802.1Q Tag VLAN pass thru
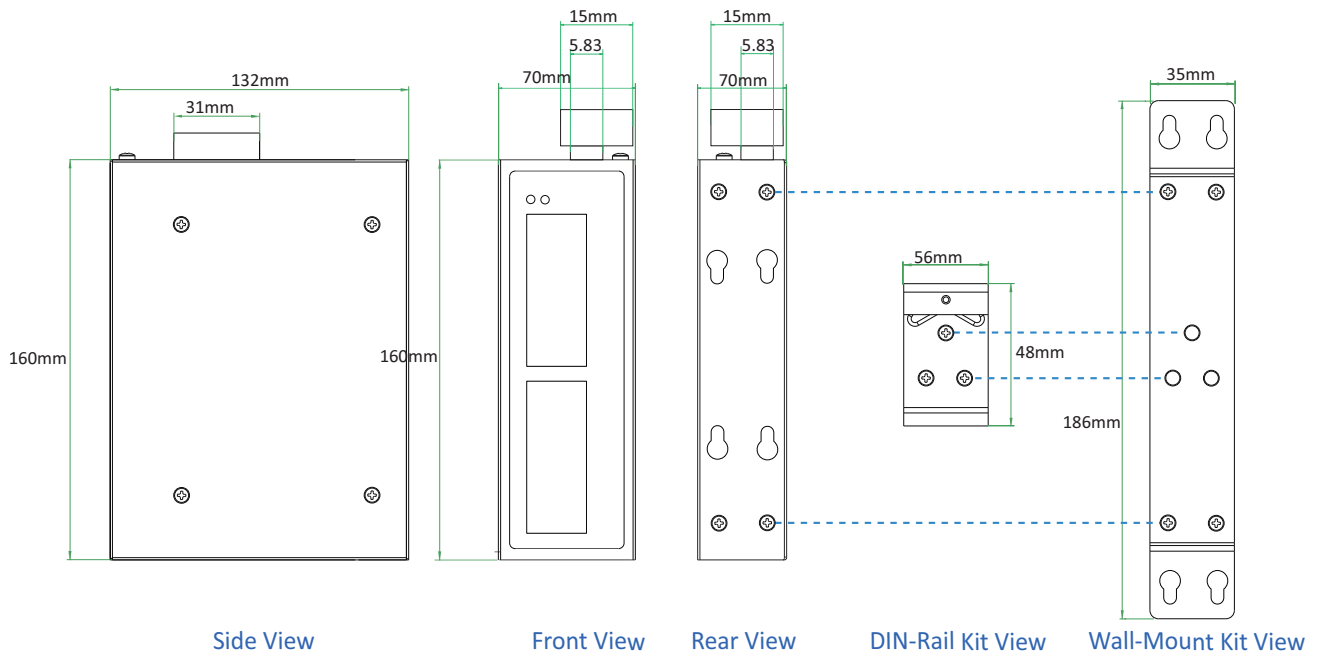- Redundant DC power inputs on every model

Specifications

IEEE Standard	IEEE 802.3 10Base-T Ethernet
	IEEE 802.3u 100Base-TX and 100Base-FX Fast Ethernet
	IEEE 802.3ab 1000Base-T and 1000Base-X Gigabit Eth.
	IEEE 802.3x Flow Control and Back Pressure
Switch Architecture	Back-plane (Switching Fabric): 56 Gbps
Data Processing	Store and Forward
Flow Control	IEEE 802.3x flow control, back pressure flow control
Provides Broadcast Storm Protection	Present
MAC Address Table	8K
Packet Buffer Size	4MB
Ports	8 x RJ-45 10/100/1000Base-T 8 x 1000Base-X SFP slot 10/100/1000Base-TX auto nego a on speed, Auto MDI/MDI-X func on, Full/Half duplex
Network Cable	10Base-T: 2-pair UTP/STP Cat.5 cable
	100Base-TX: 2-pair UTP/STP Cat. 5 cable
	1000Base-T: 4-pair UTP/STP Cat. 5e cable
	EIA/TIA-568 100-ohm (100m)
Protocols	CSMA/CD
LED	Per unit: PWR (Green) LNK/ACT (Green - Fiber port status and activity)
	Per port: Link/Active (Green), Speed/100 (Yellow)
Reverse Polarity Protection	Present
Overload Current Protection	Present
Power Supply	Redundant Dual DC 12/24/48V (9.6~56VDC) Input power (Removable Terminal Block)
Power Consumption	<15W
Removable Terminal Block	Provide 2 Redundant power inputs, 6 Pin
Operating Temperature	-40 ~ 75°C

Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40 ~ 85°C
Housing	Rugged Metal, IP40 Protection
Dimensions	132 x 70 x 160mm (D x W x H)
Weight	1.2kg
Installation Mounting	DIN Rail mounting or wall mounting
EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
	EN61000-6-4 – Emission for industrial environment
EMS	EN61000-6-2 – Immunity for Industrial environment
	EN61000-4-2 (ESD) Level 3, Criteria B
	EN61000-4-3 (RS) Level 3, Criteria A
	EN61000-4-4 (Burst) Level 3, Criteria A
	EN61000-4-5 (Surge) Level 3, Criteria B
	EN61000-4-6 (CS) Level 3, Criteria A
	EN61000-4-8 (Magnetic Field) Level 3, Criteria A
Traffic control	NEMA-TS2
Rail Traffic	EN50121-4
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6
MTBF	120,000Hrs
Warranty	3 years

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Specifications & design are subject to change without prior notice. Please visit ROBOfiber website for more details.

Industrial

Application

HGW-808S

PC

Gigabit Ethernet

PLC

Gigabit Ethernet

Gigabit Ethernet Fiber

IP Network

HGW-808S Gigabit Ethernet Switch Application

Dimensions

132mm

31mm

160mm

160mm

15mm
5.83
70mm

Side View

Front View

15mm
5.83
70mm

Rear View

56mm

48mm

DIN-Rail Kit View

35mm

186mm

Wall-Mount Kit View

Ordering Information

Model Name	Description
HGW-808S	8x 10/100/1000Base-Tx and 8x 1000Base-X SFP Non-managed Industrial Switch Extreme Temp. (-40~75 Celsius)

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Industrial