

Industrial Ethernet Switches

Ordering Information

HGW-8W Gigabit Ethernet Switch 4x 10/100/1000Base-Tx + 2x 1000Base-X SFP slot ports, DIN rail and Wall installation, managed with PoE+ support

Overview

The Industrial Ethernet HGW-808S switch is a high performance and reliable Ethernet device. Model is hardened for -40 to +75 C operation and has 8KV surge protection on all copper ports. Reliability is highly ranked with an MTBF exceeding 120,000 hours. All Industrial Ethernet models listed in this manual have passed IEC standards as described in the Technical Specifications table. Package includes DIN rail mounting bracket, Wall bracket and screw block power connector.

Switch front plate view

(common front view, may vary with model)


HGW-8W
Features

- IEEE 802.3 10Base-T, 802.3u 100Base-TX, 802.3z 1000Base-T
- Auto-Negotiation and Auto MDI/MDIX
- 8kV Ethernet surge protection on all TP ports
- Full-duplex and Half-duplex flow control modes
- Store and Forward switching mechanism
- Extreme -40 ~ +75 C operating temperature
- DIN rail or Wall mount installation options, IP40 rated housing
- 48-56V DC wide power input

LED Indicators

	Function
P1, P2	Off – No power available; On – Power is present
Fiber LK/ACT LINK	Off – No link; On – Fiber link OK; Blinking – data traffic present
UTP GREEN	Off – 10M/100M; On – 1000M on RJ45 port
UTP YELLOW	Off – No link; On – UTP link OK; Blinking – data traffic present

Note: Gigabit models require approx. 10 seconds from “Power On” to start operating

Technical specifications

Model	HGW-402LM-PSE
TP ports (RJ45)	4 x 10/100/1000
SFP slots	2 x 1000
LEDs	PWR, Fiber LNK/ACT, UTP GRN/YLW
Network Protocols	CSMA/CD
Bandwidth	56G
Packet buffer size	4M
Packet max. size (bytes)	10K
MAC address table size	8K
Safety	CE/LVD EN60950
Power input	DC 48~56V
Reverse Polarity Protection	yes
PoE budget	none
Max PoE power per port	n/a
Mounting DIN rail bracket	yes
Mounting Wall bracket	yes
Operating Temp (°C)	-40 ~ +75
Storage Temp (°C)	-50 ~ +85
Operating Humidity	10 ~ 90% non-condensing
Dimensions (mm) *	160 x 132 x 70
Weight (g)	1,200
MTBF	120,000 hours
Warranty	3 years
Industrial Compliance	
EMI	FCC Part 15 Subpart B Class A, EN 55022 Class A
EMS	EN 61000-4-2 (ESD) Level 3 Criteria B, EN 61000-4-3 (RS) Level 3 Criteria A, EN 61000-4-4 (EFT) Level 3 Criteria A, EN 61000-4-5 (Surge) Level 3 Criteria B, EN 61000-4-6 (CS) Level 3 Criteria A, EN 61000-4-8 (PFMF, Magnetic Field) Field Strength 300A/m Criteria A
Vibration	IEC 60068-2-6
Freefall	IEC 60068-2-32
Shock	IEC 60068-2-27
Rail Traffic	EN 50121-4
Traffic Control	NEMA-TS2

* dimensions are taken with no SFPs inserted, nor power block connectors