



## FEATURE HIGHLIGHTS

- 8 x 10/100/1000 BaseT(X) (RJ45)
- 10/100/1000M Full/Half-Duplex, MDI/MDI-X auto-detection
- Broadcast storm protection
- Support IEEE 802.3/ 802.3u/ 802.3x
- Profinet Packet Prioritization according to 802.1p
- Redundant DC power inputs
- Operating temperature ranges from -10°C~70°C
- Rugged high-strength housing
- DIN-Rail or wall mounting ability

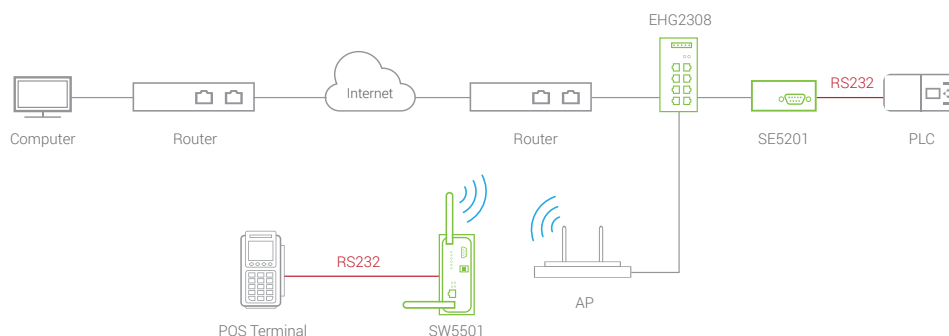
## PRODUCT DESCRIPTION

EHG2308 with 8 RJ-45 Gigabit ports for your industrial applications. It designs to work in the industrial environment, such as in hazardous locations that comply with CE, FCC, UL, IP50 and RoHS standards.

EHG2308 protects itself from receiving too many broadcast packets. During normal use, broadcast packets will be forwarded to all ports except the source port. However, it will discard broadcast or multicast packets if the number of those packets exceeds a threshold in a preset period of time. When the preset period expires (about 800ms), it will then resume receiving broadcast or multicast packets until the threshold is reached again.

EHG2308 provides two redundant power inputs that can be connected simultaneously to wide-range DC power sources. If one of the power inputs failure, the other live source acts as a backup to provide the EHG2308 power needs automatically.

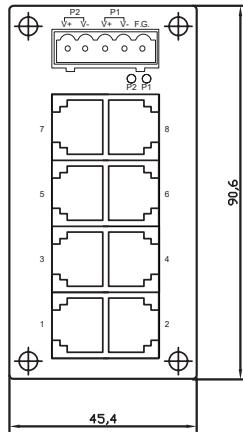
The device also embeds an Packet Prioritization feature that is advanced for unmanaged switches. The switch is able to read the QoS field inside the VLAN tag of the packet, prioritizing those that are important to reach the end device first, even during network congestion. This is vital in Industrial Automation applications that are, for example, Profinet Based.



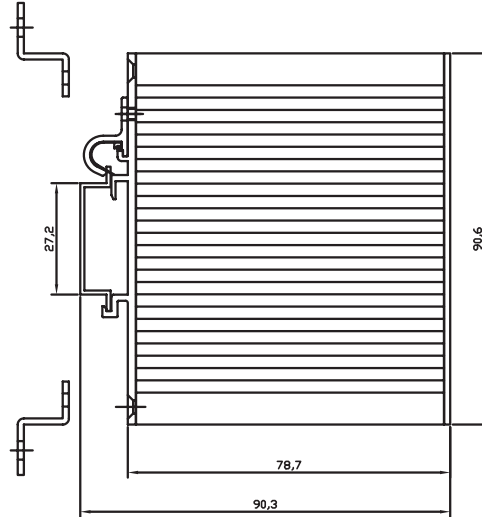
## SPECIFICATIONS

Technical Specifications	
Model Name	EHG2308 Series
Ethernet	
Connector	RJ45
Ports	8
Transmission Rate	10/100/1000 Mbps
Standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T
Flow Control	IEEE802.3X flow control, back-pressure flow control
Jumbo Frame Size	Up to 9216 byte
Auto MDI/MDI-X	Yes
Power	
Input Voltage	9-48 VDC
Input Current	0.45A
Power Consumption	4.05 Watts Max
Connector	5.08mm 5 pin Terminal Block
Reverse Polarity Protection	Yes
Redundancy	Yes
Physical Characteristics	
Housing	IP30 protection; aluminum housing
Installation	DIN Rail, Wall mount (optional)
Dimension (W x H x D)	45.2 x 90 x 78 mm
Weight	255 g
Warranty	5 years
Environmental Limits	
Operating Temperature	-10°C~70°C (14°F~158°F)
Storage Temperature	-40°C~85°C (-40°F~185°F)
Ambient Relative Humidity	5%~95% RH (Non-condensing)

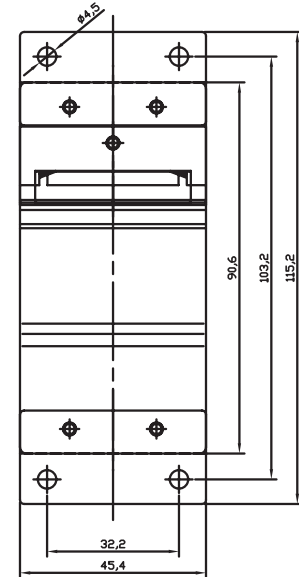
## DIMENSIONS & LAYOUT



Front-panel front view



(Mount kit) Housing side view



Backboard rear view

## REGULATORY APPROVALS

### Regulatory Approvals

UL(Safety)	UL60950-1 2nd Ed. /CSA C22.2 No.60950-1-07 2nd Ed.
FCC(EMI)	FCC Part 15, Subpart B, Class A
CE(EMI)	European Standard EN55032:2012+AC:2013 Class A.
	EN61000-3-2:2014, EN 61000-3-3:2013
CE(EMS)	EN55024:2010(IEC 61000-4-2:2008)
	IEC61000-4-3:2006/A1:2007/A2:2010, IEC 61000-4-4:2012
	IEC 61000-4-5:2014, IEC 61000-4-6:2013
	IEC 61000-4-8 :2009, IEC 61000-4-11:2004
Shock	IEC 60068-2-27
Drop	IEC 60068-2-32(ISTA Test Procedure 2A)
Vibration	IEC 60068-2-64
High Altitude	Certified for 4000m altitude according to IEC 60068-2-13
RoHS	Lead(Pb) Free
MTBF	472359.98 hrs(25°C) / 53.92 years(25°C)
IP Protection	IP30 IEC/EN60529

## ORDERING INFORMATION

### Optional Accessories

Model name	Part Number	Description
EHG2308	1P1EHG23080001G	T; 8P x 10/100/1000M; RJ45; TB5; G

### Optional Accessories

Model name	Part Number	Description
US Plug	70100000000056G	45.4 x22.8 x1.5 Aluminum wall mount with screw
EU Plug	50708051G	SFP Transceiver, 155Mbps, 1310nmLED, Multi-mode, 2km, 3.3V, -40~85°C
US Plug	50709431G	SFP Transceiver, 155Mbps, 1310nmFP, Single-mode, 30km, 3.3V, -40~85°C
EU Plug	50500752240001G	AC 88~264V to 24V DC 3.2A; 75W