



### FEATURE HIGHLIGHTS

- 8x 10/100/1000BaseT(X) (RJ45)
- Broadcast storm protection
- Support IEEE 802.3/ 802.3u/ 802.3x/ 802.3ab
- 10/100/1000M, Full/Half-Duplex, MDI/MDI-X auto-detection
- Packet Prioritization according to 802.1q
- Redundant dual DC power inputs
- Operating temperature ranges from 0~60°C
- Rugged plastic housing
- DIN-Rail or wall mounting ability

### PRODUCT DESCRIPTION

EHG2008 is an industrial unmanaged Gigabit switch with 8 RJ-45 ports. It is designed to work in the industrial environment, such as in hazardous locations that comply with CE, FCC, UL, RoHS and REACH standards.

EHG2008 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.

EHG2008 provides two redundant power inputs that can be connected simultaneously to wide-range DC power sources. If one of the power inputs fails, the other source acts as a backup to provide the EHG2008 the power it needs.

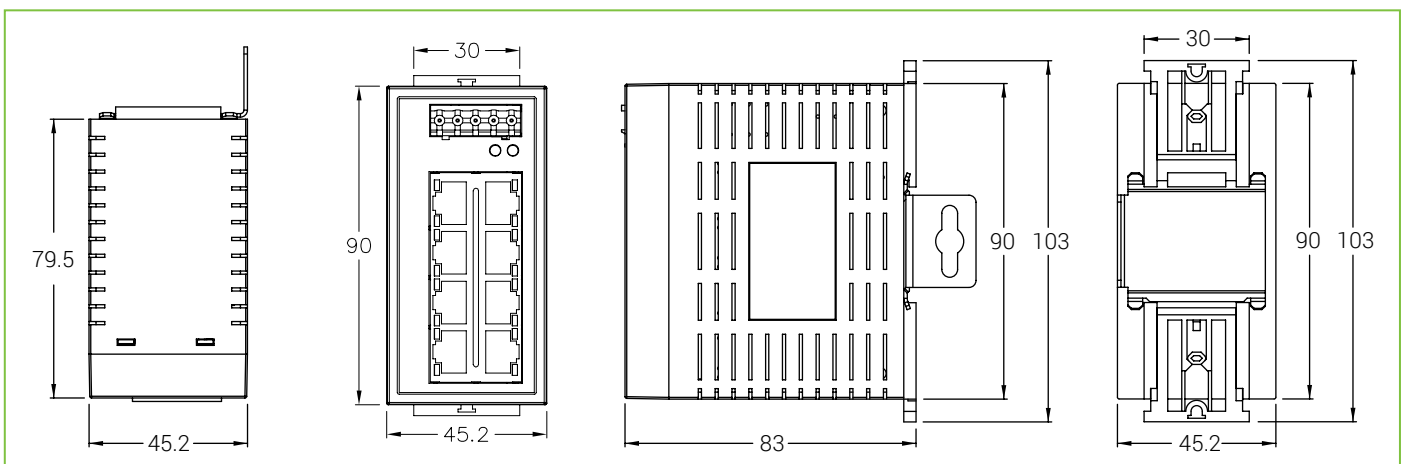
The device also embeds an Packet Prioritization feature that is advanced for unmanaged switches. The switch is able to read the QoS field inside the VLAN tag of the packet, prioritizing those that are important to reach the end device first, even during network congestion. This is vital in Industrial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

## SPECIFICATIONS

### Technical Specifications

Model Name	EHG2008
Standards	IEEE802.3, 802.3u, 802.3ab, 802.3x
Processing Type	Store and Forward
Flow Control	IEEE802.3x flow control, backpressure flow control
<b>Interface</b>	
RJ-45 Ports	10/100/1000BaseT(X) auto negotiation speed Full/Half-duplex mode, and auto MDI/MDI-X connection
LED Indicators	Power, LAN(10/100/1000M)
<b>Power</b>	
Input	9~48 VDC, Dual inputs
Consumption	4 Watts Max
Connector	Removable 5-pin Terminal Block for power input
Reverse Polarity Protection	Present
<b>Environment</b>	
Operating	0°C ~ 60°C ( 32°F ~ 140°F )
Storage	-20°C ~ 70°C ( -4°F ~ 158°F )
Ambient Relative Humidity	5%~95% non-condensing
<b>Physical</b>	
Housing	IP40 protection, plastic housing
Dimension	45.2mm x 90mm x 83mm (W x H x D)
Weight	150g Max

## DIMENSIONS & LAYOUT



## REGULATORY APPROVALS

Approval	
UL(Safety)	UL/IEC 60950-1, UL/IEC 62368-1
FCC(EMI)	FCC 47 CFR Part15, Subpart B, Class A
CE(EMI)	EN55032:2012/AC:2013 Class A EN61000-3-2:2014 EN61000-3-3:2013 EN61000-6-4:2007
CE(EMS)	EN55024:2010/A1:2015 IEC 61000-4-2:2008-12 IEC 61000-4-3:2010-04 IEC 61000-4-4:2012-04 IEC 61000-4-5:2014 IEC 61000-4-6:2013-10 IEC 61000-4-8:2009-09 IEC 61000-4-11:2004-03 EN61000-6-2:2005/AC:2005
Shock	IEC 60068-2-27
Drop	ISTA Test Procedure 2A
Vibration	IEC 60068-2-64
RoHS	Lead(Pb) Free
MTBF (MIL-HDBK-217F)	434684 hrs(25°C) / 49.62 years(25°C)
Warranty	5 years

## ORDERING INFORMATION

Ordering information		
Model name	Part Number	Description
EHG2008	1P1EHG20080001G	Industrial 8-port Unmanaged Gigabit Switch with 8x 10/100/1000 RJ45

Optional Accessories		
Model name	Part Number	Description
UN315-1212 (US-Y)	50500151120003G	Y-Type power adapter, 100~240VAC input, 1.25A @ 12VDC output, US plug, LV6
UNE315-1212 (EU-Y)	50500151120013G	Y-Type power adapter, 100~240VAC input, 1.25A @ 12VDC output, EU plug, LV6