



Industrial 8-port Unmanaged Gigabit Ethernet Switch

■ ■ EHG2308

RoHS compliant

Technology

- 10/100/1000BaseT(X) (RJ45)
- Broadcast storm protection
- Support IEEE 802.3/ 802.3u/ 802.3x
- 10/100/1000M Full/Half-Duplex, MDI/MDI-X auto-detection

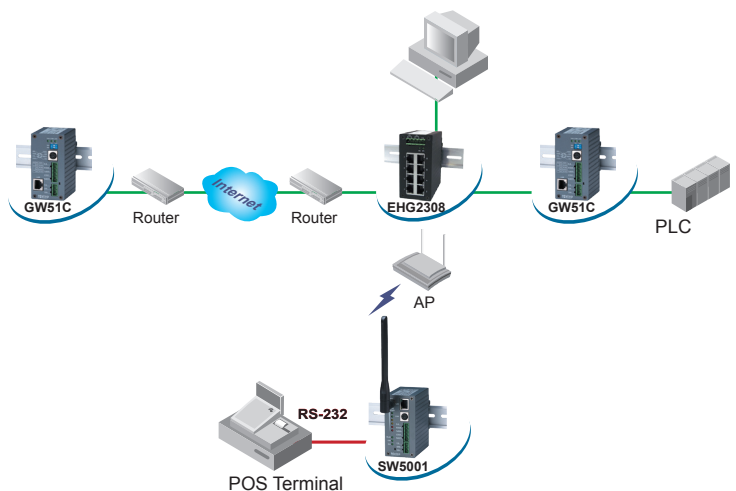
Reliability

- Redundant dual DC power inputs
- Operating temperature ranges from -10~70°C
- Rugged high-strength housing
- DIN-Rail or wall mounting ability

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.



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Specifications

Technology

Standards	IEEE802.3, 802.3u, 802.3ab, 802.3x
Processing Type	Store and Forward
Flow Control	IEEE802.3x full duplex, back pressure flow control
Jumbo Frame Size	Up to 9216 byte

Interface

RJ45 Ports	10/100/1000BaseT(X) auto negotiation speed Full/Half-duplex mode, and auto MDI/MDI-X connection
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LED Indicators	Power, LAN(10/100/1000M)
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Power Management

Input Voltage	9-48 VDC(0.45A max), Dual inputs
Consumption	4.05 Watts Max
Connector	Removable 5-pin Terminal Block for power input
Reverse Polarity Protection	Present

Physical Characteristics

Housing	IP30 protection, metal housing
Dimension(W x H x D)	45.2mm x 90mm x 78mm
Weight	255g

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% non-condensing

Regulatory Approvals

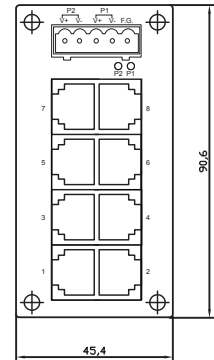
UL(Safety)	UL60950-1 2nd Ed. /CSA C22.2 No.60950-1-07 2nd Ed.
FCC(EMI)	FCC Part 15, Subpart B, Class A
CE(EMI)	European Standard EN55032:2012+AC:2013 Class A. EN61000-3-2:2014, EN 61000-3-3:2013
CE(EMS)	EN55024:2010(IEC 61000-4-2:2008) IEC61000-4-3:2006/A1:2007/A2:2010, IEC 61000-4-4:2012 IEC 61000-4-5:2014, 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
RoHS	Lead(Pb) Free
MTBF	472359.98 hrs(25°C) / 53.92 years(25°C)
IP Protection	IP30 IEC/EN60529
Warranty	5 years

Optional Accessories

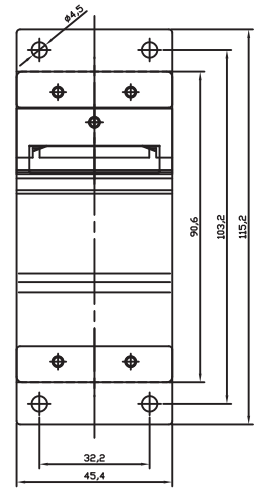
AD17-24C (US): AC100V~240V/DC24V for terminal block, US adapter
AD17-24D (EU): AC100V~240V/DC24V for terminal block, EU adapter
US315-12(US/EU) : AC100~240V/DC12V ; 5.08mm pitch terminal block
DIN-Rail mount, Wall mount

Ordering Information

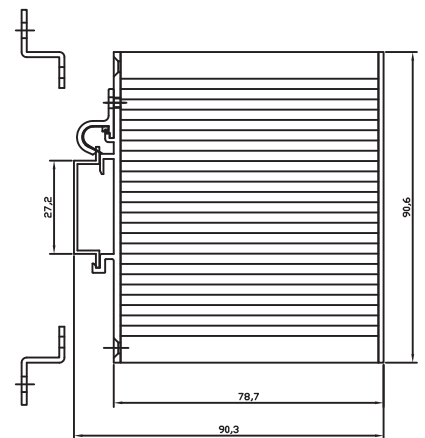
Model Name	Port Interface		
	Extended Temperature (-10°C ~ 70°C)	100BaseFX	
EHG2308		10/100/1000BaseT(X)	Multi Mode ST Connector
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Front-panel front view



Backboard rear view



(Mount kit)

Housing side view

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