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

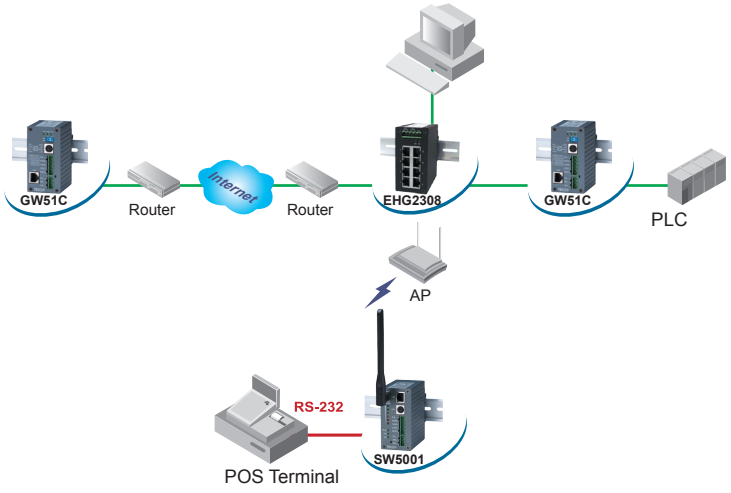
Reliability

- 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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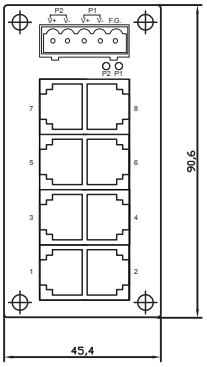
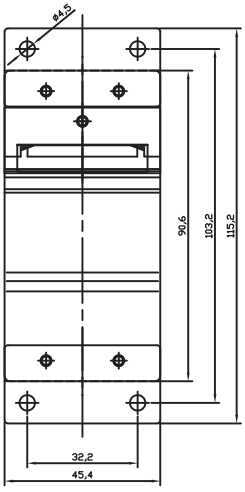
Specifications

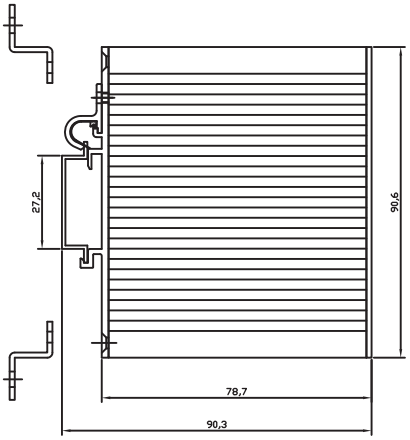
Technology	
Standards	IEEE802.3, 802.3u, 802.3ab, 802.3x
Processing Type	Store and Forward
Flow Control	IEEE802.3x full duplex, back pressure flow control
Jumbo Frame Size	Up to 9216 byte
Interface	
RJ45 Ports	10/100/1000BaseT(X) auto negotiation speed
	Full/Half-duplex mode, and auto MDI/MDI-X connection
LED Indicators	Power, LAN(10/100/1000M)
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	IP50 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 EN 55022:2006/A1:2007 Class A.
	EN61000-3-2:2006, EN 61000-3-3:1995/A1:2001/A2:2005
CE(EMS)	EN55024:1998/A1:2001/A2:2003(IEC 61000-4-2:1995/A2:2000)
	IEC61000-4-3:2002, IEC 61000-4-4:2004
	IEC 61000-4-5:1995/A1:2000, IEC 61000-4-6:1996/A1:2000
	IEC 61000-4-8 :1993/A1:2000, IEC 61000-4-11:1994/A :2000
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	IP50 IEC/EN60529
Warranty	5 years



Front-panel front view



Backboard rear view



(Mount kit) Housing side view

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)	10/100/1000BaseT(X)	100BaseFX	
		Multi Mode ST Connector	Single Mode SC Connector
EHG2308	8	----	----

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IP50 Rated IEC/EN60529