Industrial Unmanaged Switch

■ ■ **EH6308 Series**

Featuring

- 6 100TX pors plus one of the following: 2 1000TX, 2 1000LX or 2 1000SX fiber ports
- Redundant DC power inputs, total 3: 2 on the terminal block & 1 DC-Jack
- Fault Indicator and Relay Closing triggered by at least one Power Failure
- Full/Half-Duplex, auto MDI/MDI-X
- IP-30 Casing
- DIN-Rail Mount//Wall-Mount/Desktop installation
- -40~75°C Extended Operating Temperature

The EH6308 Series comes in four models.

	EH6308	EH6308G	EH6308G-Fm	EH6308G-Fs
10/100TX port no.	8	6	6	6
1000 TX port no.		2		
1000 LX port no.				2
1000 SX port no.			2	

100TX: Fast Ethernet

1000TX: Gigabit Copper

1000 LX: Gigabit Long-wave (Single-mode fiber)

1000 SX: Gigabit Short-wave (Multi-mode fiber)

EH6308 is an induatrial-grade Layer-2 switch. Packaged in rugged IP-30 casing and furnished with redundant power inputs and a power-failure fault relay, the EH6308 Series is designed to operate in hostile industrial environments where wide temperature swing, power surge and even physical impact are not uncommon. Hence it is an ideal switching device for infrastructure management, waster treatment facilities, power utility stations, telecommunication installation, transportation monitoring and other mission-critical applications.

Redundant Power Inputs

The EH6308 Series offers three different power inputs to enhance its reliability, with two on the terminal block, and one from the DC-Jack. When any two DC power input fail, a non-stop operation is still guaranteed.

Relay Alarm in case of Power Failure

EH6308's built-in relay closes if any of the two powers on the terminal block fails. When hooked to an external buzzer with a separate power, the relay closing immediately sets off an audio alarm.
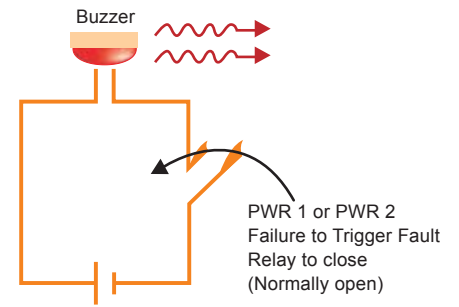
High ESD Protection

EH6308's unique design protects the switch from up to 15 KV ESD and voltage surge up to 10 KV. This protection assures a seamless operation under adverse environmental conditions.

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General Specifications	
Technology	
Ethernet	IEEE 802.3 10-Base-T
	IEEE 802.3u 100Base-TX
	IEEE 802.3 100Base-FX
	IEEE 802.3 1000Base-SX, LX
Switching Latency	7 µS
Flow Control	IEEE 802.3x Flow Control and Back-pressure
Processing	Store-and-Forward
Interface	
RJ45 Ports	10/100Base-TX, Auto MDI/MDIX
Fiber Ports	1000Base SX / LX
	SX Multi-Mode: 850 nm, 50/125 µm or 62.5/125 µm, up to 550 M
	LX Single-Mode: 1310 nm, 10/125 µm, up to 5 KM
LED Indicators	RJ45 Port: LNK(Green) / ACT(Amber)
	Giga port and Fiber Port: LNK(Green) / ACT(Amber)
Power	
Power Input	PWR1/2: 12~48V DC on 7-pin Terminal Block
	PWR3: 12~45V DC from DC-Jack
Reverse Polarity Protection	Yes
Consumption	7.5 Watts Max
Environmental	
Operating Temperature	-40 to 75°C (-40 to 167°F)
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Humidity	5% to 95% Non-condensing
Mechanical	
Dimensions	52mm(W) x 106mm(D) x 144mm(H)
Casing	IP-30
Regulatory Approvals	
Shock	IEC 60068-2-27
FreeFall	IEC 60068-2-32
Vibration	IEC 60068-2-6
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS)
	EN61000-4-4 (EFT), EN61000-4-5 (Surge)
	Level 3, EN61000-4-6 (CS),Level 3
	CE/FCC class A
	RoHS

Ordering Information	
EH6308	Industrial 8-port Unmanaged Ethernet Switch with 8x 10/100TX
EH6308G	Industrial 8-port Unmanaged Ethernet Switch with 6x 10/100TX & 2x 1000TX
EH6308G-Fm	Industrial 8-port Unmanaged Ethernet Switch with 6x 10/100TX & 2x 1000SX, multi-mode
EH6308G-Fs	Industrial 8-port Unmanaged Ethernet Switch with 6x 10/100TX & 2x 1000LX, single-mode

Buzzer

PWR 1 or PWR 2
Failure to Trigger Fault
Relay to close
(Normally open)

Terminal Block

Design and specification are subject to change without notice.
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