

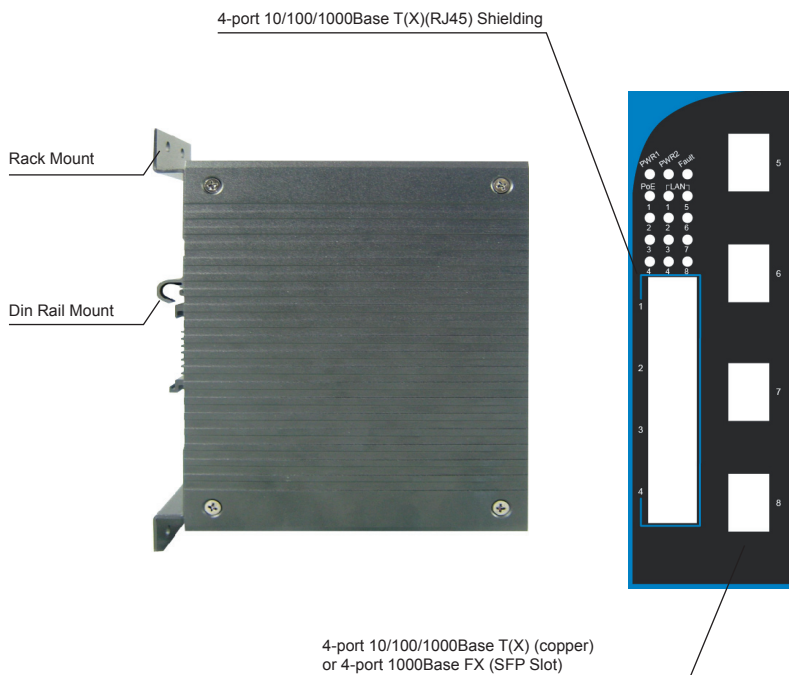


## Industrial Unmanaged PoE Ethernet Switch

■ ■ EHG6308 Series  
RoHS compliant

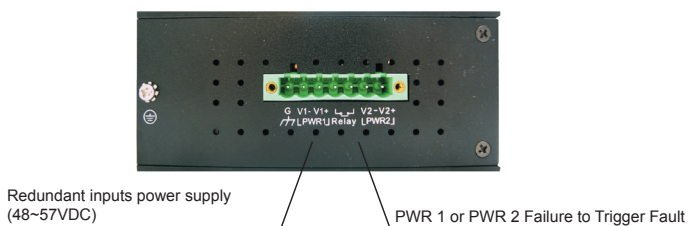
EHG6308-4PoE series switches are Unmanaged PoE Gigabit Ethernet switches. The EHG6308-4PoE switches are 4\*10/100/1000BaseT(X) port with Power-over-Ethernet (PoE) and 4\*10/100/1000BaseT(X) or 4\*1000baseSFP Fiber. Each PoE port provides 15.4W IEEE 802.3af and up to 30W IEEE 802.3at. Using external 48~57VDC power inputs through terminal block, data and power can be transmitted to a Powered Device (PD) over the same twisted-pair Ethernet cable through port 1 to port 4 on the unit. The EHG6308-4PoE also provides the relay warning function when power failures.

### Outline



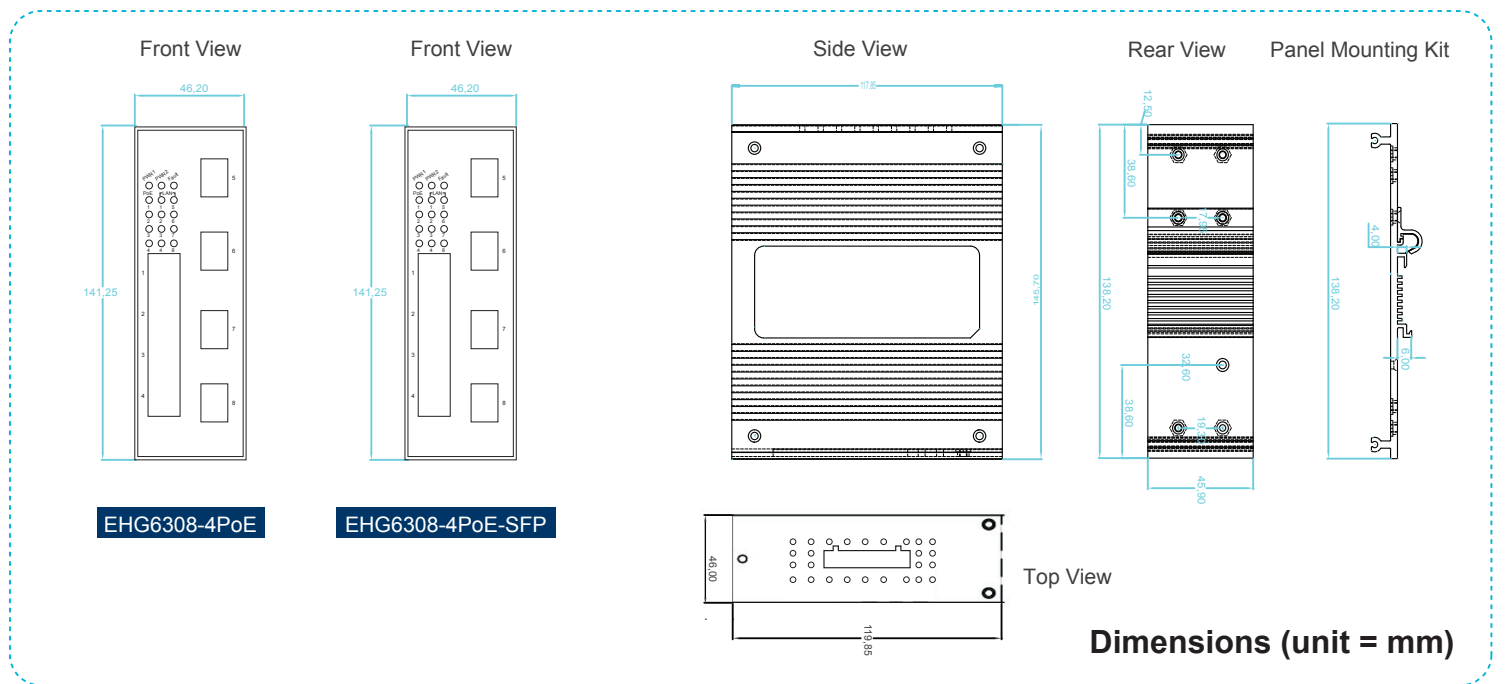
- 8-Port 10/100/1000Mbps Gigabit Ethernet ports
- Supports P.S.E. based on IEEE802.3af/IEEE 802.3at
- Supports PoE Power up to 30 Watts for each PoE port
- Supports auto-negotiation and auto-MDI/MDI-X
- Supports store and forward transmission
- Supports flow control
- IP-50 metal case
- DIN-Rail and wall mounting (Optional)

4-port 10/100/1000Base T(X) (copper)  
or 4-port 1000Base FX (SFP Slot)



General Specifications	
<b>Technology</b>	
<b>Standards</b>	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) IEEE 802.3ab for 1000BaseT(X), IEEE 802.3at/af for Power over Ethernet Technology IEEE 802.3x for Flow Control IEEE 802.3z for 1000BaseX
<b>MAC Address Table</b>	8K
<b>Switching Latency</b>	2.3us
<b>Processing Type</b>	Store and Forward
<b>Flow Control</b>	IEEE802.3x full duplex, back pressure flow control
<b>Interface</b>	
<b>RJ45 Ports</b>	10/100/1000baseT(X),Auto MDI/MDI-X(Support Mode A)
<b>Fiber Ports</b>	1000Base SFP slot
<b>LED Indicators</b>	LAN(Steady green-Link up/Blinking-data transmitting & receiving), PoE(Yellow), PWR1(Green), PWR2(Green), Fault(Red)
<b>Power Requirements</b>	
<b>Dual Input</b>	48 ~ 57 VDC (IEEE802.3af :48VDC input / IEEE802.3at :50~57VDC input)
<b>Dual Inputs Current</b>	Max. 3.1 A @ 55VDC (supports up to 4 ports at 30 W per PoE port)
<b>Overload Current Protection</b>	Present
<b>Connection</b>	Lockable 7-pin terminal blocks for power input
<b>Reverse Polarity Protection</b>	Present
<b>Consumption</b>	148.5W (with PoE full function)
<b>Physical Characteristics</b>	
<b>Housing</b>	IP50 protection (>2.5mm objects, IEC60529), metal case (AL6063T5)
<b>Dimensions (W x H x D)</b>	53.4mm x 145.7mm x 119.9mm ( 2.10 x 5.74 x 4.72 in )
<b>Weight</b>	Approx 1000g
<b>Installation</b>	DIN-Rail mount kit, wall mount kit (optional)
<b>Environmental Limits</b>	
<b>Operating Temperature</b>	0°C ~ 70°C ( 40°F ~ 158°F )
<b>Storage Temperature</b>	-40°C ~ 85°C ( -40°F ~ 185°F )
<b>Ambient Relative Humidity</b>	5% to 95% (non-condensing)
	<b>Notes:</b> For UL policy the maximum operating temperature is 60°C, and the human body can tolerate maximum temperature is 70°C.
<b>Regulatory Approvals</b>	
<b>Safety</b>	UL 60950-1
<b>EMI</b>	FCC Part 15 class A, CISPR(EN55022) class A
<b>EMS</b>	EN61000-4-2 (ESD), level 3 EN61000-4-3 (RS), level 3 EN61000-4-4 (EFT),level 3 EN61000-4-5 (Surge), level 3 EN61000-4-6 (CS), level 2 EN61000-4-8 (PFMF) EN61000-4-11 (Dips)
<b>Shock</b>	MIL-STD-810F Method 516.5
<b>Freefall</b>	MIL-STD-810F Method 516.5
<b>Vibration</b>	MIL-STD-810F Method 514.5 C-1 & C-2
<b>MTBF</b>	
<b>Warranty</b>	5 years (please visit <a href="http://www.atop.com.tw">www.atop.com.tw</a> for more details)

## Mechanical



## Ordering Information

Model Name	Port Interface		
	10/100/1000BaseT(X)	10/100/1000BaseT(X),PoE	1000Base SFP
EHG6308-4PoE	4	4	-
EHG6308-4PoE-4SFP	-	4	4

## Optional Accessories

SDR-240-48	240W/5A DIN-Rail 48 VDC(Adj. Range 48~55V) Power Supply with universal 88~264VAC/124~370VDC input
2ESDP-07P	7-pin 5.08mm Terminal Block with 180° Angle
CDK-459-Silver	Conductive metal DIN-Rail Kit, Silver
WMK-459-Black	Metal Wall Mount Kit, Black
GDC-90	90mm copper woven grounding cable
Optical Transceiver	SFP Gigabit Ethernet/1X Fiber channel (RoHS)

## 1000Base SFP Transceiver

P/N	LM28-C3S-TI -N	LM38-C3S-TI-N	LS38-C3S-TI -N	LS38-C3L-TI -N
Bit rate(Mbps)	1250	1250	1250	1250
Wavelength(nm)	850(VCSEL)	1310(FP LD)	1310(FP LD)	1310(DFB LD)
Media	MMF	MMF	SMF	SMF
Distance	550m	2km	10km	30km
Application	1000base-SX	SX+	1000base-LX	LHX
TX Power(dBm)	-4~-9.5	-1~-9	-3~-9.5	+1~-4
RX Sens.(dBm)	<-18	<-19	<-20	<-24
Temp.(°C)	-20~85	-40~85	-40~85	-40~85
Voltage(V)	3.3	3.3	3.3	3.3

# Regulatory Approvals and Environmental Type Tests

## EMI Immunity Type Tests

Test	Description		Test Levels	Severity Levels
FCC part 15	-	Subpart B	-	class A
EN55022	-	2006+A1:2007	-	class A

## EMS Tests

Test	Description		Test Levels	Severity Levels
IEC61000-4-2	ESD	Contact discharge	6 KV, Criterion B	level 3
		Air discharge	8 KV, , Criterion B	level 3
IEC61000-4-3	RS	Enclosure ports	10 V/m (80 - 1000 MHz), Criterion A	level 3
IEC61000-4-4	EFT	Power Line	2 KV, Criterion B	level 3
IEC61000-4-5	Surge	Signal Port	2 KV, Criterion B	level 3
		Power Line	2 KV, Criterion B	level 3
IEC61000-4-6	CS	Signal Port	3 V (0.15 - 80 MHz), Criterion A	level 2
		Power Line	10 V (0.15 - 80 MHz), Criterion A	level 2

## Safety Tests

Test	Description		Rating	Severity Levels
UL60950-1	-	2nd Edition, 2007-03-27	48-57 V DC, 3.1A max	-
CSA C22.2 No.60950-1-07	-	2nd Edition, 2007-03	48-57 V DC, 3.1A max	-
CB	-	IEC 60950-1:2005 second version	48-57 V DC, 3.1A max	-

## Environmental Type Tests

Test	Description		Test Levels	Severity Levels
MIL-STD-810F	Shock	Impact acceleration & Pluse duration	40g @ 11ms	-
MIL-STD-810F	Freefall	8 corners, 12 edges, 6 faces	122 cm	-
MIL-STD-810F	Vibration	Packaged Random waveform	x: 2.4 Grms y: 1.28 Grms z: 3.85 Grms	-
		Operating Random waveform	x: 0.740 Grms y: 0.204 Grms z: 1.04 Grms	-

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