

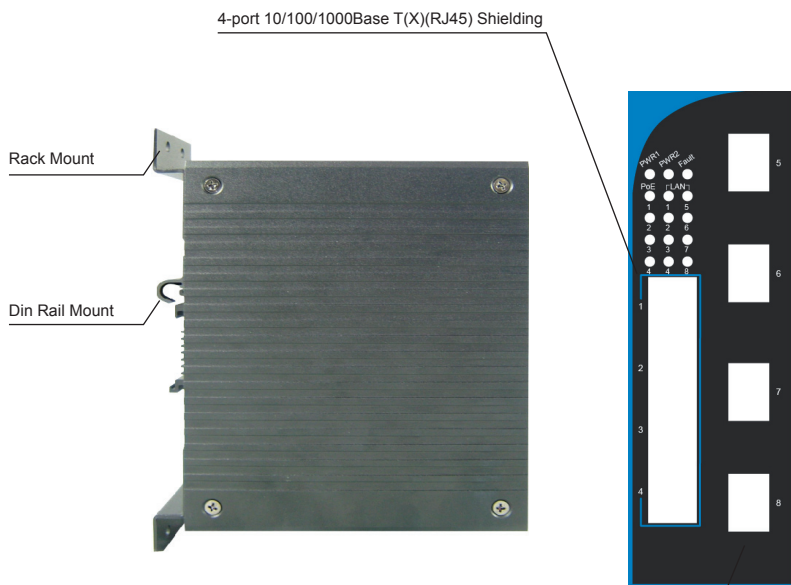


Industrial Unmanaged PoE Ethernet Switch

■ ■ EHG6308 Series
RoHS compliant

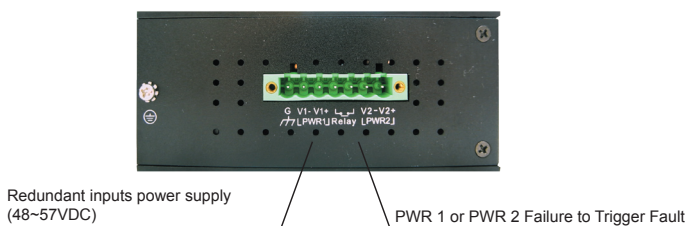
EHG6308-4PoE series switches are Unmanaged PoE Gigabit Ethernet switches. The EHG6308-4PoE switches are 4*10/100/1000BaseT(X) port with Power-over-Ethernet (PoE) and 4*10/100/1000BaseT(X) or 4*1000baseSFP Fiber. Each PoE port provides 15.4W IEEE 802.3af and up to 30W IEEE 802.3at. Using external 48~57VDC 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



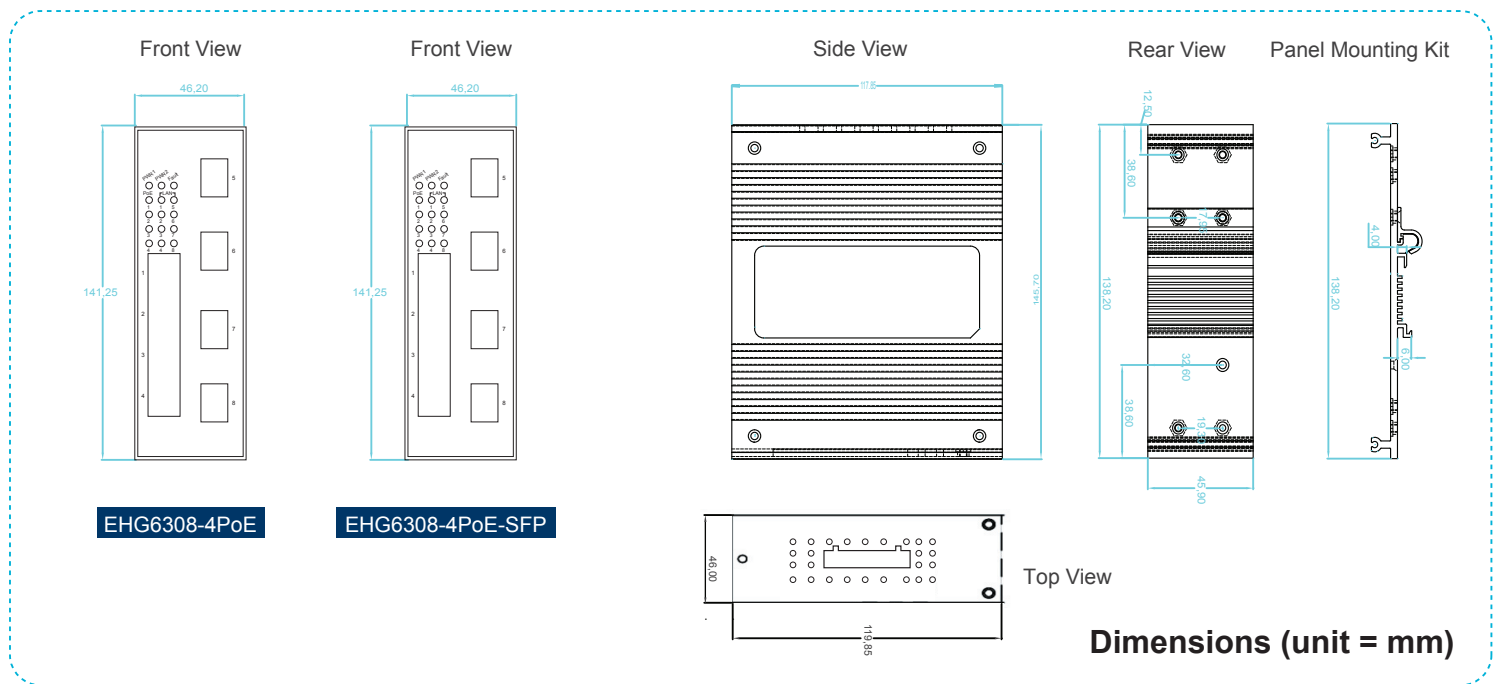
- 8-Port 10/100/1000Mbps Gigabit Ethernet ports
- Supports P.S.E. based on IEEE802.3af/IEEE 802.3at
- Supports PoE Power up to 30 Watts for each PoE port
- Supports auto-negotiation and auto-MDI/MDI-X
- Supports store and forward transmission
- Supports flow control
- IP-50 metal case
- DIN-Rail and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

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



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