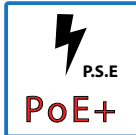
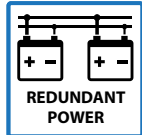


**8-PORT UNMANAGED GIGABIT PoE+ ETHERNET SWITCH WITH 8x10/100/1000BASE-T(X) P.S.E.**

**UNMANAGED ETHERNET SWITCH**
**FEATURES**

- Provide 8x10/100/1000Base-T(X) PoE+ (P.S.E.) ports
- Supports P.S.E. based on IEEE 802.3af/at standard
- Up to 30W at 48V DC power output on each PoE port
- Support auto-negotiation
- Support store and forward transmission
- Redundant power inputs with terminal blocks
- Rugged IP-40 housing design
- DIN-Rail or wall mounting



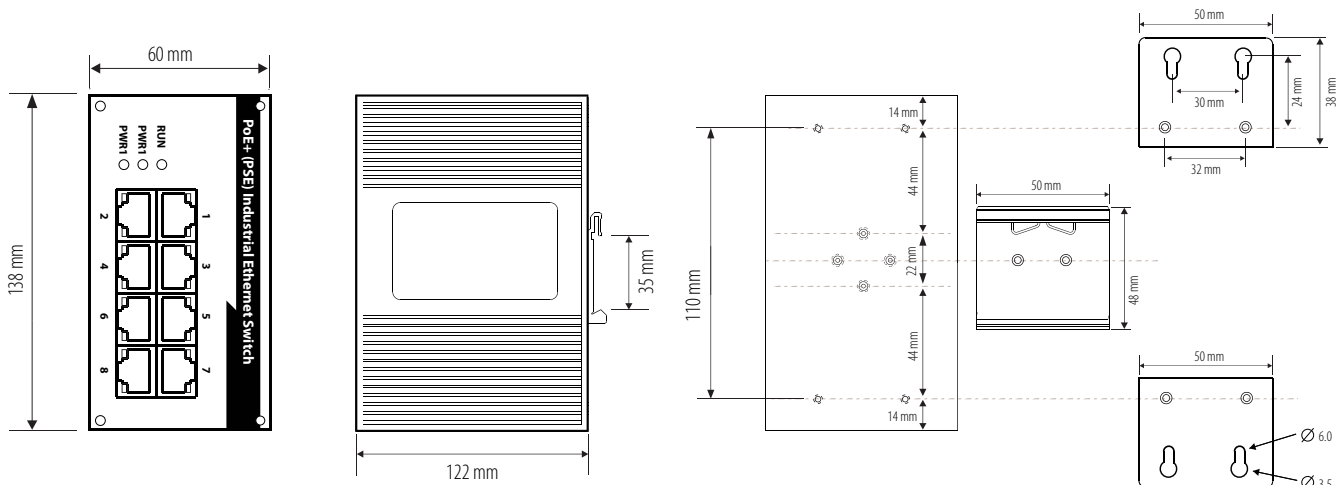
Figure 1.

**DESCRIPTION**

Meridian's US8GT8POEH is an unmanaged, 8-port PoE Ethernet switch with P.S.E. function. The US8GT8POEH supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. The switch has eight 10/100/1000Base-T(X) P.S.E. (Power Sourcing Equipment) ports. Its rugged IP-40 housing design and wide operating temperature range (-40 to +85°C) enables it to operate in even the extreme environments. Therefore, the switch is one of the most reliable choices for PoE Ethernet applications.

**TYPICAL OPERATION**

As illustrated on the drawing (Figure 1), the US8GT8POEH can be used to connect a number of PoE Ethernet devices (e.g., IP-Cameras, access panels, or other Ethernet devices requiring remote power. This switch also offers redundant power inputs for increased system reliability.



## SPECIFICATIONS

| Physical Ports                               |  |
|--|--|
| 10/100/1000Base-TX Ports in RJ45 With P.S.E. | <b>8</b>   |
| Technology                                   |  |
| Ethernet Standards                           | IEEE 802.3 for 10Base-T  |
|  | IEEE 802.3u for 100Base-TX   |
|  | IEEE 802.3ab for 1000Base-X  |
|  | IEEE 802.3x for Flow control   |
|  | IEEE 802.3af/at PoE specification (up to 30 Watts per port for P.S.E.)   |
| MAC Table                                    | 8K   |
| Processing                                   | Store-and-Forward  |
| Packet Buffer Size                           | 1M bit   |
| Exchange Properties                          | 148800pps (100M)   |
| LED indicators                               |  |
| Power Indicators                             | Green On—Power on<br>Green Off—Power off   |
| Run indicator                                | Green On—The system starts up successfully<br>Green Off — The system doesn't start up successfully   |
| 10/100/1000Base-T(X) RJ45 Port Indicator     | Yellow for port speed:<br>Yellow On —The port works at 1000Mbps.<br>Yellow Off—The port works at 10/100Mbps.<br>Green for port Link/Act:<br>Green On and Blinking—Port Link up, data is transmitted.<br>Green On – No Blinking –Port Link up<br>Green Off - Port Link down |
| Fault Contact                                |  |
| Relay  | Relay output to carry capacity of 1A at 24VDC  |

| Power                       |   |
|-----------------------------|---|
| Redundant Input power       | Dual DC inputs. 48 VDC (48 - 60 VDC) on 6-pin terminal block  |
| Input Current               | <0.5A @48VDC  |
| Power consumption (Typ.)    | 8 Watts (power device not included)   |
| Overload current protection | Yes   |
| Reverse polarity protection | Yes   |
| Physical Characteristic     |   |
| Enclosure                   | Aluminum Alloy material, IP-40  |
| Dimension (W x D x H)       | 42 (W) x 112 (D) x 138(H) mm (1.65 x 4.4 x 5.44 inch)   |
| Weight (g)                  | 710 g (1.56 lb)   |
| Environmental               |   |
| Storage Temperature         | -40 to 85°C (-40 to 185°F)  |
| Operating Temperature       | -40 to 85°C (-40 to 185°F)  |
| Operating Humidity          | 5% to 95% Non-condensing  |
| Regulatory Approvals        |   |
| EMI                         | FCC Part 15 Subpart B Class A,<br>CISPR (EN55022) class A   |
| EMS                         | EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT),<br>EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8 |
| Shock                       | IEC60068-2-27   |
| Free Fall                   | IEC60068-2-32   |
| Vibration                   | IEC60068-2-6  |
| Safety                      | EN60950-1   |
| Industry                    | IEC61000-6-2  |
| Traffic                     | NEMA TS-2   |

| Ordering Information       |             |  |
|----------------------------|-------------|--|
| Products                   | Part Number | Description  |
|                            | US8GT8POEH  | 8 port 10/100/1000TX (RJ45) unmanaged Ethernet PoE+ switch |
| Recommended Power supplies | PSH48DC240  | 48VDC @ 5 Amp Amps ( 240 Watts)                            |

| Packing List             |   |
|--------------------------|---|
| US8GT8POEH               | 1 |
| Wall-Mount Kit           | 1 |
| Quick Installation Guide | 1 |
| Din-Rail Kit (attached)  | 1 |