



# 16 Port RJ45 with 2 Port SFP Topology PoE Switch

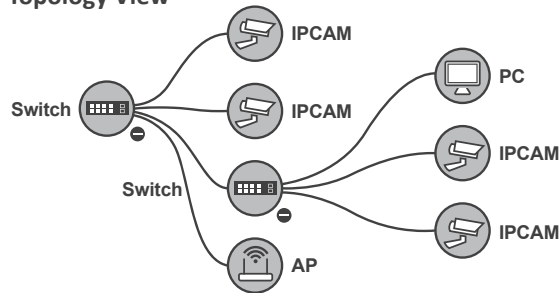
## POE-GSH1816R-250



### Auto Topology Diagram

Automatically discover all network devices on your local network and draw out the topology diagram. Let you view and trouble shoot your network instantly.

#### Topology View



### Emap and Google Map

Display the network devices on a floor plan or on the Google Map. You can view the status and manage your device by clicking on the device icons.



### AP and IPCAM Management

Display the status and perform simple configuration on your wireless AP or IP Cameras Show IP camera's live view video on the E-Map or Google Map.



### Supply Power to your PoE Devices

PoE-GSH1816R-250 can power up your PoE devices such as IP cameras or Access Point through the RJ45 cable with the gigabit connection. The total power supply is up to 250W which is enough if you use all of the port.



### Device Guard

Monitor your PoE network devices such as IP cameras or wireless Access Point. Reboot the device when it is not responding. This provide self healing network that save you cost from sending technician and fix the problems immediately.



# Specifications

# AirLive POE-GSH1816R-250

<p><b>Standard</b></p> <ul style="list-style-type: none"> <li>•IEEE802.3 10BASE-T</li> <li>•IEEE802.3u 100BASE-TX/100BASE-FX</li> <li>•IEEE802.3z Gigabit SX/LX</li> <li>•IEEE802.3ab Gigabit 1000T</li> <li>•IEEE802.3x Flow Control and Back pressure</li> <li>•IEEE802.3ad Port trunk with LACP</li> <li>•IEEE802.1d Spanning Tree Protocol</li> <li>•IEEE802.1w Rapid Spanning Tree Protocol</li> <li>•IEEE802.1s Multicast Spanning Tree Protocol</li> <li>•IEEE802.1p Class of service</li> <li>•IEEE802.1Q VLAN Tagging</li> <li>•IEEE802.3at/af PoE</li> </ul>	<p><b>Security</b></p> <ul style="list-style-type: none"> <li>•Secure Shell (SSH)</li> <li>•Secure Sockets Layer (SSL)</li> <li>•Port Security</li> <li>•IEEE 802.1X</li> <li>•Layer 2 isolation Private VLAN Edge (PVE)</li> <li>•IP Source Guard</li> <li>•RADIUS</li> <li>•DHCP Snooping</li> <li>•Storm Control</li> <li>•Loop Protection</li> </ul>
<p><b>Interface</b></p> <ul style="list-style-type: none"> <li>•16 x 10/100/1000Mbps RJ45 ports</li> <li>•2 X SFP 100/1000Mbps ports</li> </ul>	<p><b>QoS</b></p> <ul style="list-style-type: none"> <li>•Hardware Priority Queue             <ul style="list-style-type: none"> <li>- Supports 8 hardware queues</li> </ul> </li> <li>•Scheduling             <ul style="list-style-type: none"> <li>- Strict priority and weighted round-robin (WRR)</li> </ul> </li> <li>•Queue assignment based on DSCP and class of service (802.1p/ CoS)</li> <li>•Classification             <ul style="list-style-type: none"> <li>- Port based</li> <li>- 802.1p VLAN priority based</li> </ul> </li> <li>•Rate Limiting             <ul style="list-style-type: none"> <li>- Ingress policer</li> <li>- Egress Shaping and Rate Control</li> <li>- per VLAN, per port and flow based</li> </ul> </li> </ul>
<p><b>PoE Port</b></p> <ul style="list-style-type: none"> <li>•16</li> </ul>	<p><b>IPv6 Application</b></p> <ul style="list-style-type: none"> <li>•Web/ SSL</li> <li>•SNTP (Simple Network Time Protocol)</li> <li>•SNMP - v1/v2c/v3</li> <li>•RADIUS</li> <li>•Syslog</li> <li>•Protocol-based VLANs</li> <li>•TFTP (Trivial File Transfer Protocol)</li> </ul>
<p><b>Switch Architecture</b></p> <ul style="list-style-type: none"> <li>•Store and forward switch architecture</li> <li>•Back-plane up to 36 Gbps</li> </ul>	<p><b>Management Function</b></p> <ul style="list-style-type: none"> <li>•Web GUI Interface</li> <li>•DHCP Server</li> <li>•Remote Monitoring (RMON)</li> <li>•Port Mirroring</li> <li>•Topolog View, Floor View MAP View</li> <li>•Dual Image</li> <li>•SNMP v1, v2c, and v3</li> <li>•UPnP</li> </ul>
<p><b>Switch Capacity and Forwarding Rate</b></p> <ul style="list-style-type: none"> <li>•Capacity in Million of Packets Per Second (Mpps) : 26.784 Mpps</li> <li>•Switching Capacity in Gigabits per Second (Gbps) : 36 Gbps</li> </ul>	<p><b>PoE</b></p> <ul style="list-style-type: none"> <li>•Port Configuration             <ul style="list-style-type: none"> <li>- Supports per port PoE configuration function</li> </ul> </li> <li>•PoE Scheduling             <ul style="list-style-type: none"> <li>- Supports per port PoE scheduling to turn on/off the PoE devices (PDs)</li> </ul> </li> <li>•Auto-checking             <ul style="list-style-type: none"> <li>- Check the link status of PDs. Reboot PDs if there is no responses</li> </ul> </li> <li>•Power Delay             <ul style="list-style-type: none"> <li>- The switch provides power to the PDs based on delay time when PoE switch boots up, in order to protect switch from misuse of the PDs</li> </ul> </li> </ul>
<p><b>PoE Power Output</b></p> <ul style="list-style-type: none"> <li>•Max. 30 watts</li> </ul>	<p><b>Discovery</b></p> <ul style="list-style-type: none"> <li>•LLDP with LLDP-MED extensions</li> </ul>
<p><b>PoE Power Budget</b></p> <ul style="list-style-type: none"> <li>•250Watts</li> </ul>	<p><b>Power</b></p> <ul style="list-style-type: none"> <li>•100-240 VAC 50~60Hz, Internal</li> </ul>
<p><b>MAC Address</b></p> <ul style="list-style-type: none"> <li>•8K</li> </ul>	<p><b>Dimensions</b></p> <ul style="list-style-type: none"> <li>•442(W)x 44(H)x 211(D) mm</li> </ul>
<p><b>Jumbo Frames</b></p> <ul style="list-style-type: none"> <li>•Up To 9KB</li> </ul>	<p><b>Operating Temperature</b></p> <ul style="list-style-type: none"> <li>•0°C to 40°C</li> </ul>
<p><b>Layer 2 Switching Feature</b></p> <ul style="list-style-type: none"> <li>•Spanning Tree             <ul style="list-style-type: none"> <li>- STP 802.1d</li> <li>- RSTP 802.1w</li> <li>- MSTP 802.1s</li> </ul> </li> <li>•Trunking : LACP IEEE802.3ad             <ul style="list-style-type: none"> <li>- Link Aggregation Control Protocol (LACP) IEEE 802.3ad</li> <li>- Static aggregation</li> </ul> </li> <li>•VLAN : Support for up to 4K VLANs simultaneously (out of 4096 VLAN ID)             <ul style="list-style-type: none"> <li>- Port-based VLAN</li> <li>- 802.1Q tag-based VLAN</li> <li>- Protocol based VLAN</li> <li>- IP subnet-based VLAN</li> <li>- Private VLAN Edge (PVE)</li> <li>- Q-in-Q (double tag) VLAN</li> <li>- Voice VLAN</li> </ul> </li> <li>•DHCP Relay (Layer 2)</li> <li>•IGMP snooping - v1/v2/v3</li> <li>•IGMP Querier</li> <li>•IGMP Proxy</li> <li>•MLD v1/v2 snooping</li> <li>•Multicast VLAN Registration (MVR)</li> </ul>	<p><b>Storage Temperature</b></p> <ul style="list-style-type: none"> <li>•-20°C to 70°C</li> </ul>
<p><b>Layer 3 Switching</b></p> <ul style="list-style-type: none"> <li>•IPv4 Static Routing</li> <li>•IPv6 Static Routing</li> <li>•DHCP Server</li> </ul>	

## Ordering Information:

**AirLive POE-GSH1816R-250** 16 Port RJ45 with 2 Port SFP Topology PoE Switch