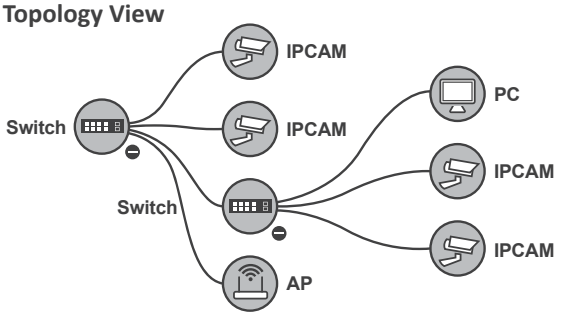
16 Port RJ45 with 2 Port SFP Topology PoE Switch

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.

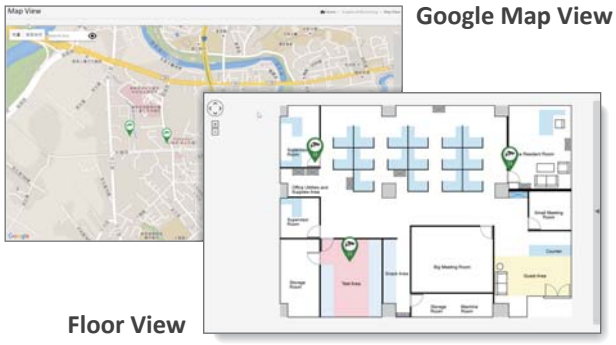
Topology View



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.

Google Map View



Floor View

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

Standard
- IEEE802.3 10BASE-T
- IEEE802.3u 100BASE-TX/100BASE-FX
- IEEE802.3z Gigabit SX/LX
- IEE802.3ab Gigabit 1000T
- IEEE802.3x Flow Control and Back pressure
- IEEE802.3ad Port trunk with LACP
- IEEE802.1d Spanning Tree Protocol
- IEEE802.1w Rapid Spanning Tree Protocol
- IEEE802.1s Multicast Spanning Tree Protocol
- IEEE802.1p Class of service
- IEEE802.1Q VLAN Tagging
- IEEE802.3at/af PoE

Interface
- 16 x 10/100/1000Mbp RJ45 ports
- 2 X SFP 100/1000Mbps ports

PoE Port
- 16

Switch Architecture
- Store and forward switch architecture
- Back-plane up to 36 Gbps

Switch Capacity and Forwarding Rate
- Capacity in Million of Packets Per Second (Mpps) : 26.784 Mpps
- Switching Capacity in Gigabits per Second (Gbps) : 36 Gbps

PoE Power Output
- Max. 30 watts

PoE Power Budget
- 250Watts

MAC Address
- 8K

Jumbo Frames
- Up To 9KB

Layer 2 Switching Feature
- Spanning Tree
  - STP 802.1d
  - RSTP 802.1w
  - MSTP 802.1s
- Trunking : LACP IEEE802.3ad
  - Link Aggregation Control Protocol (LACP) IEEE 802.3ad
  - Static aggregation
- VLAN : Support for up to 4K VLANs simultaneously (out of 4096 VLAN ID)
  - Port-based VLAN
  - 802.1Q tag-based VLAN
  - Protocol based VLAN
  - IP subnet-based VLAN
  - Private VLAN Edge (PVE)
  - Q-in-Q (double tag) VLAN
  - Voice VLAN
- DHCP Relay (Layer 2)
- IGMP snooping - v1/v2/v3
- IGMP Querier
- IGMP Proxy
- MLD v1/v2 snooping
- Multicast VLAN Registration (MVR)

Layer 3 Switching
- IPv4 Static Routing
- IPv6 Static Routing
- DHCP Server

Security
- Secure Shell (SSH)
- Secure Sockets Layer (SSL)
- Port Security
- IEEE 802.1X
- Layer 2 isolation Private VLAN Edge (PVE)
- IP Source Guard
- RADIUS
- DHCP Snooping
- Storm Control
- Loop Protection

QoS
- Hardware Priority Queue
  - Supports 8 hardware queues
- Scheduling
  - Strict priority and weighted round-robin (WRR)
- Queue assignment based on DSCP and class of service (802.1p/ CoS)
- Classification
  - Port based
  - 802.1p VLAN priority based
- Rate Limiting
  - Ingress policer
  - Egress Shaping and Rate Control
  - per VLAN, per port and flow based

IPv6 Application
- Web/ SSL
- SNTP (Simple Network Time Protocol)
- SNMP - v1/v2c/v3
- RADIUS
- Syslog
- Protocol-based VLANs
- TFTP (Tricial File Transfer Protocol)

Management Function
- Web GUI Interface
- DHCP Server
- Remote Monitoring (RMON)
- Port Mirroring
- Topolog View, Floor View MAP View
- Dual Image
- SNMP v1, v2c, and v3
- UPnP

PoE
- Port Configuration
  - Supports per port PoE configuration function
- PoE Scheduling
  - Supports per port PoE scheduling to turn on/off the PoE devices (PDs)
- Auto-checking
  - Check the link status of PDs. Reboot PDs if there is no responses
- Power Delay
  - 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

Discovery
- LLDP with LLDP-MED extensions

Power
- 100-240 VAC 50~60Hz, Internal

Dimensions
- 442(W)x 44(H)x 211(D) mm

Operating Temerature
- 0℃ to 50℃

Storage Temerature
- -20℃ to 70℃

Ordering Information:

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