POE-GSH2624-370

24 Port Device Manage Gigabit PoE Switch

Gigabit PoE | SFP Fiber | Auto Topology | SNMP | Device Manage | E-MAP

- 24 x 10/100/1000Mbps PoE Ports
- 802.3at/af PoE with 370W Power Budget
- Auto Device Discovery and Topology Diagram
- Layer 2 + Management
- SNMP v1/2c/3 , Trap , RMON Supported
- E-Map Floor and Google Map View Management
- Video Streaming for ONVIF cameras
- Manage AirLive AC.TOP wireless AP.
- Suppot 802.3az Energy Efficient Ethernet
- DHCP Snooping, Dual Firmware Image, and Static Route

Overview

The AirLive POE-GSH2624-370 is a new generation of intelligent PoE switch that combines graphical management, device monitoring, auto topology, throughput, camera Live View, smart PoE, and L2+ management all-in-one.

Besides providing full power to your PoE AP, IPcam, IP Phones; it also features graphical management environment to help trouble shoot your network and auto repair it when device are found to be not functionality. This greatly increase the device uptime and system availability in addition to reduce the man-power cost. The device is also compatible with 802.3az green Ethernet standard to provide energy saving when device is not in use.

The POE-GSH2624-370 provides simplicity graphical interface, easy of trouble shooting, increase device uptime, and lower cost of ownership. It is a must have network equipment for you SMB office.

Key Benefits

- Automatically generate network topology diagram to help trouble shoot network problems
- Graphical click and drag management to make switch management much esuer
- E-MAP and Google Map function to let you see the location of your device
- Change configuration and see the status of AirLive AP and view the videos of ONVIF cameras
- Auto reboot PoE devices when failed to response to increase device uptime and save repair cost
- 370 Watt full power Power over Ethernet to provide stable and long distance PoE connections
- Useful Layer 2+ management such as graphical VLAN and DHCP Snooping to prevent unauthorized router installation.
- 802.3az Green Ethernet to save energy for operations.

Application Environments

Office buildings with IP Phones, IPCAMs, and wireless equipments.

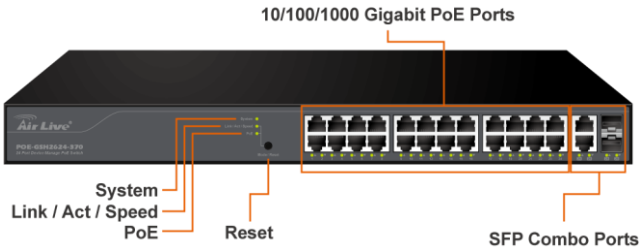
Shopping malls and supermarket

Community building with multiple IPCAM installations

Grade schools and colleges.

Hotels that provide guest with wireless service and also requirement IP surveillance.

Hardware



The switch features 24x10/100/1000 Gigabit Ethernet ports and 2 SFP fiber combo ports. It is in 19-inch rack mountable metal housing with 370 watt internal power supply. The switch's backplane throughput is up to 52Gbps of capacity. switch is also 802.3az compliant to save energy when a port has no transmission activities.

Port Configurations			
Total Ports	26	**10/100/1000Mbps Ports**	24 (PoE ports)
SFP Combo Uplink Ports		2	
Hardware Performance			
Switch Capacity	52Gbps	**Forwarding Capacity**	38.68
MAC Table	32K	**Jumbo Frame**	9216

Standards	
IEEE802.3 10BASE	IEEE 802.3z Gigabit Fiber
IEEE802.3x Flow Control	IEE 802.3ab Gigabit Copper
IEEE802.3u 100BASE-TX	IEEE 802.3at/af PoE
IEEE802.3ad Port trunk with LACP	IEEE 802.3az Green Ethernet

Environments					
Storage Temperature	-20 to 70 ˚C -4 to 158 °F	**Operating Temperature**	0 to 40 ˚C 32 to 164 °F	**Altitude**	< 3000 meter < 10000 feet

Dimension and Weight					
Dimension	442x44x211 mm	**Product Weight**	2.7 kg	**Package Size**	520x300x90mm
Packing Weight	4.2kg		**Package Content**	Switch，Rack Mount Kit，Power cord，CD，QiG	

Power over Ethernet

The switch features 24 IEEE 802.3af/at compliant Gigabit PoE ports that can power your AP, IPCAM, or IP Phones. With 370watt of total power budget, it means you can connect 24 devices and still deliver full power to each port. This is very important especially for IPCAM and 11ac Wireless AP as they demand more power.

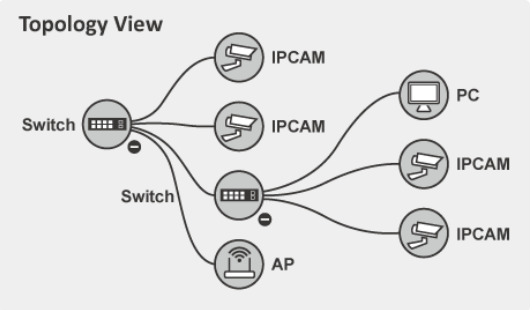
You can set the schedule for each PoE port so you can save energy during office off hours. The device guard function detects the well being of your PoE device and can automatically recover the device when needed. This increase your device uptime and save the cost of sending technician. It is a truly a very useful function

PoE Ports	24 x 10/100/1000Mbps Gigabit	**Total Power Budget**	370 Watts internal power
Standard	802.3af and 802.3at	**Maximum Power per Port**	30 Watts
Scheduling	Set power available time for each port and device	**Device Guard**	Detect by Ping or by Traffic for rebooting
Power Consumption	View power consumption for each port and total remaining power	**Delay Time**	Set delay time to supply power to PoE device. After power up

Graphical Management

Auto Topology Diagram

Having trouble finding how your network devices are connected? This is a common problem administrator faces when trouble shooting the network. The AirLive Topology switch can automatically discover most devices on the network and plot out the connection diagram, even for non-AirLive products.

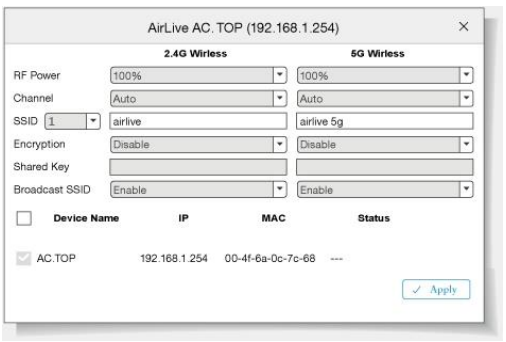


Electronic Maps

Without knowing the location of your network devices, it is hard to manage them. That's why the topology switch can display your device and on the floorplan or Google map. It makes device monitor and management much easier.

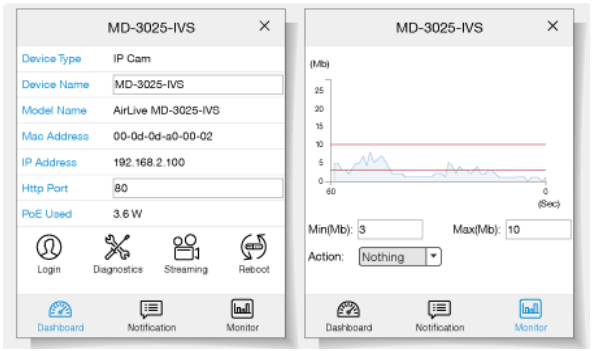
AirLive AP Management

Automatically discover AirLive Access Points and display them graphically on the topology diagram. Simply right click on the AP and you can configure all the essential wireless settings such as RF Power, Channel, SSID, and wireless key

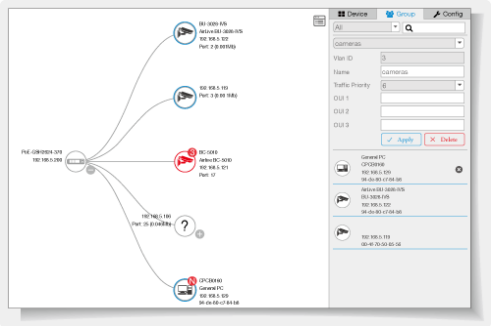


Real-time Throughput Checking

Monitor the bandwidth consumption of your network devices such as your IP cameras. Once the value exceed your preset values, it will send notification to you.



Set Up VLAN graphically



VLAN is an important function to put devices on the same network group. But configuration is always a complicated procedure. The AirLive Topology switch features graphical VLAN which let you choose which devices to be on the same VLAN group from the topology diagram

Camera live Video Viewing

If your IP cameras support ONVIF, the topology switch can display the video Live Stream on the topology view or E-MAP diagram

Layer 2+ Switching

The PoE-GSH2624-370 is rich with layer 2 and layer 3 switching functions such as IGMP Snooping, DHCP server, DHCP Snooping and Static Route. In addition, it can be managed through web(HTTP), secure web(HTTPS), CLI, SSH, UPnP, RMON, and SNMP protocols. It also supports both IPv4 and IPv6 at the same time.

Layer 2 Switching	
Spanning Tree Protocol (STP)	■ Standard Spanning Tree 802.1d ■ Rapid Spanning Tree (RSTP) 802.1w ■ Multiple Spanning Tree (MSTP) 802.1s
Trunking	Link Aggregation Control Protocol (LACP) IEEE 802.3ad ■ Up to 14 groups ■ Up to 4 ports per group
VLAN	Supports up to 4K VLANs simultaneously (out of 4096 VLAN IDs) ■ Port-based VLAN ■ 802.1Q tag-based VLAN ■ MAC-based VLAN ■ Management VLAN ■ Private VLAN Edge (PVE) ■ Q-in-Q (double tag) VLAN ■ Voice VLAN ■ GARP VLAN Registration Protocol (GVRP)

Layer 2+ Switching

IGMP	
IGMP v1/v2/v3 Snooping	IGMP limits bandwidth-intensive multicast traffic to only the requesters. Supports 1024 multicast groups
IGMP Querier	IGMP querier is used to support a Layer 2 multicast domain of snooping switches in the absence of a multicast router
IGMP Proxy	IGMP snooping with proxy reporting or report suppression actively filters IGMP packets in order to reduce load on the multicast router

Layer 3 Switching	
IPv4 Static Routing	IPv4 Unicast: allow administrator to add routing rules manually
IPv6 Static Routing	IPv6 Unicast: allow administrator to add routing rules manually

Security	
DHCP Snooping	Lock or unlock DHCP server installation by each port. Prevent unauthorized installation of router or DHCP servers to disrupt network.
Secure Shell (SSH)	SSH secures Command Line traffic in or out of the switch, SSH v1 and v2 are supported
Secure Sockets Layer (SSL, HTTPS)	SSL encrypts the http traffic, allowing advanced secure access to the browser-based management GUI in the switch
IEEE 802.1X	■ IEEE802.1X: RADIUS authentication, authorization and accounting, MD5 hash, guest VLAN, single/multiple host mode and single/multiple sessions ■ Supports IGMP-RADIUS based 802.1X ■ Dynamic VLAN assignment
Layer 2 Isolation Private VLAN Edge	PVE (also known as protected ports) provides L2 isolation between clients in the same VLAN. Supports multiple uplinks
Port Security	Locks MAC addresses to ports, and limits the number of learned MAC address
Storm Control	Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port

Quality of Service	
Hardware Queue	Supports 8 hardware queues
Scheduling	■ Strict priority and weighted round-robin (WRR) ■ Queue assignment based on DSCP and class of service
Classification	■ Port based ■ 802.1p VLAN priority based ■ IPv4/IPv6 precedence / DSCP based ■ Differentiated Services (DiffServ) ■ Classification and re-marking ACLs
Rate Limiting	■ Ingress Control: Limit speed of layer 2 data packet coming into the port ■ Egress shaping and rate control ■ Per port

Management

Device Management	
Graphical Management	■ Auto Topology view: Support intuitive way to configure and manage switches and devices with visual relations ■ Floor view: It's easy to drag and drop PoE devices and help you to build smart workforces ■ Map view: Enhance efficiency to drag and drop devices and monitor surroundings on google map
Switch Discovery	Discover your real switches quickly and manage directly.
Traffic Monitoring	Display visual chart of network traffic of all devices and monitor every port at any time from switches
Trouble Shooting	■ Network diagnostic between master switch and devices ■ Support protection mechanism, such as rate-limiting to protect your devices from brute-force downloading

Layer 2+ Management	
DHCP Server	Support DHCP server to assign IP to DHCP clients
Zero Touch Upgrade	Upgrade single switch automatically when you get notification
Port Mirroring	Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe. Up to N-1 (N is Switch's Ports) ports can be mirrored to single destination port. A single session is supported.
UPnP	The Universal Plug and Play Forum, an industry group of companies working to enable device-to-device interoperability by promoting Universal Plug and Play
IEEE 802.1ab (LLDP)	■ Used by network devices for advertising their identities, capabilities, and neighbors on an IEEE 802ab local area network ■ Support LLDP-MED extensions
Web GUI Interface	Built-in switch configuration utility for browser-based device configuration
Dual Image	Independent primary and secondary images for backup while upgrading
SNMP	SNMP version1, 2c and 3 with support for traps, and SNMP version 3 user-based security model (USM), support public and private MIBs
RMON	Built-in RMON agent to allow administrators to monitor the network remotely.
System Management	
Firmware Upgrade	Web browser upgrade (HTTP/ HTTPs) and TFTP
NTP	Network Time Protocol (NTP) is a networking protocol for clock synchronization between computer systems over packet-switched
Other Management	■ HTTP/HTTPs; SSH ■ DHCP Client/ DHCPv6 Client ■ Cable Diagnostics ■ Ping ■ Syslog ■ IPv6 Management

Product Family Comparison




Model	POE-GSH2624-370	SNMP-GSH2804L	POE-GSH2004-370 (Discontinued)	POE-FSH1008AT
Total Number of Ports	26	28	24	10
PoE Ports	24 x 10/100/1000 Mbps, 802.3at/af	No Port, 24 x 10/100/1000Mbps Gigabit Fiber	24 x 10/100/1000 Mbps, 802.3at/af (4 shared with uplink ports)	8 x 10/100Mbps 802.3at/af
Total PoE Power	370W	None	370W	130W
Uplink Ports	2 x Gigabit SFP Combo ports	4 x Gigabit SFP	4 x Gigabit SFP Combo port	2 x Gigabit SFP Combo ports
SNMP Management	✓	✓	✓	✓
Web Management	✓	✓	✓	✓
Device Management	✓	✗	✗	✗
Auto Topology	✓	✗	✗	✗
E-MAP	✓	✗	✗	✗
ONVIF Camera Live View	✓	✗	✗	✗
VLAN, IGMP, QoS	✓	✓	✓	✓
PoE Device Guard	✓	✗	✓	✓
DHCP Snooping	✓	✗	✗	✗
Rack Mount	✓	✓	✓	✓
Internal Power Supply	✓	✓	✓	✓