

## 28-Port Gigabit POE+ Switch, 802.3af/at, 300W

28-Port Gigabit incl 24x 30W PoE, 2x 1.25G SFP, 2x 1000T  
POE-GSH2422-300

airlive®



802.3af/at  
30w

Gigabit  
RJ45 & SFP

Plug&Play

PoE  
Priority

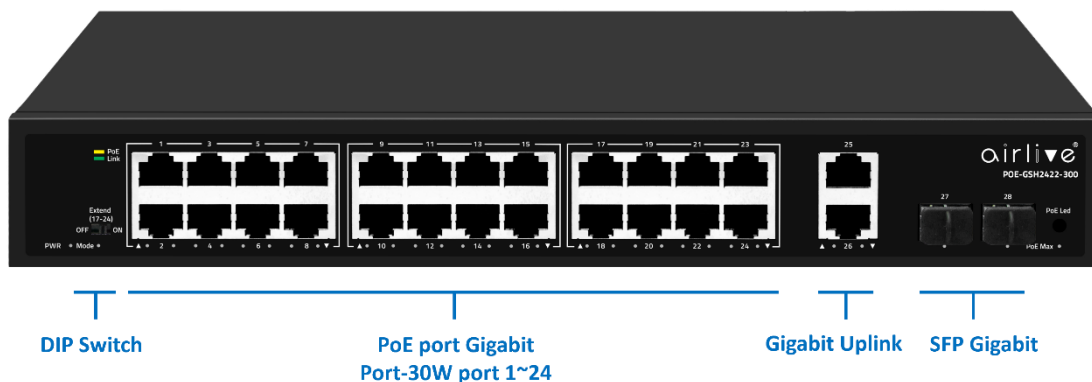
Extend Mode  
250m

Surge / ESD  
protection

## Overview

### 28-Port Gigabit PoE+ Switch with PoE Priority, Extend mode and SFP/RJ-45 port

The AirLive POE-GSH2422-300 Gigabit switch is compliant with 802.3af(15W)/802.3at(30W) It supports 24 Gigabit PoE ports and 4 uplink ports including 2x 1G RJ45 and 2x 1G SPF Fiber. Total of PoE power budget is 285W. The AirLive POE-GSH2422-300 switch is a plug and play unmanaged PoE switch with PoE Priority and 250meter cabling extension, which can be easily set up via its DIP switch. The four Gigabit Uplink ports (2x SFP and 2x RJ-45) help with connecting the switch to a larger network making the it the most cost-efficient client switch for various applications at Home or Office. Connect several PoE devices to the switch, Access Points or normal IP cameras can connect to any of the PoE ports on the switch and be powered on up to max 30W (at).



## Features

- All 28-port, each port delivers Gigabit high speed.
- 24 x PoE port up to 30W 10/100/1000Mbps RJ-45.
- 2 x 1000T RJ-45 Uplink port.
- 2 x 1Gbps SFP Uplink port
- PoE Priority
- Extend the network further with 2 SFP slots that accept fiber transceivers and go beyond the limits of Ethernet
- PoE power, supports 802.3af/at PoE+
- Internal Power 300W, Max PoE budget 285W.
- Extended Mode: transmission of up to 250M in Extended Mode Setting by hardware DIP switch.
- PoE Watchdog in Extended mode.
- Surge Protection; ESD Protection.

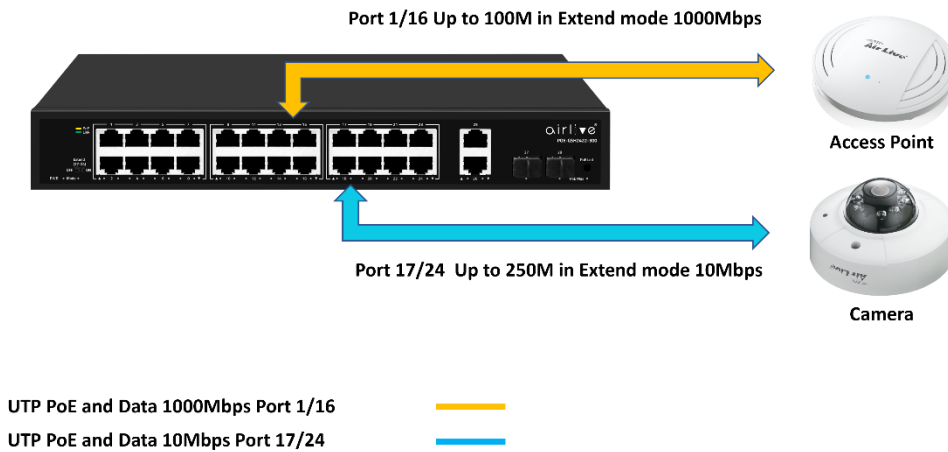
### Efficient PoE technology AT PoE with PoE Priority.

Connect several PoE devices to the switch, for example Access Points or normal IP cameras can connect to any of the PoE ports on the switch and be power on up to max 30W (at).

PoE Priority is supported for the PoE Power from port 1~24, this can be helpful for a IPCAM or high priority preferred device. This function is turned on by default.

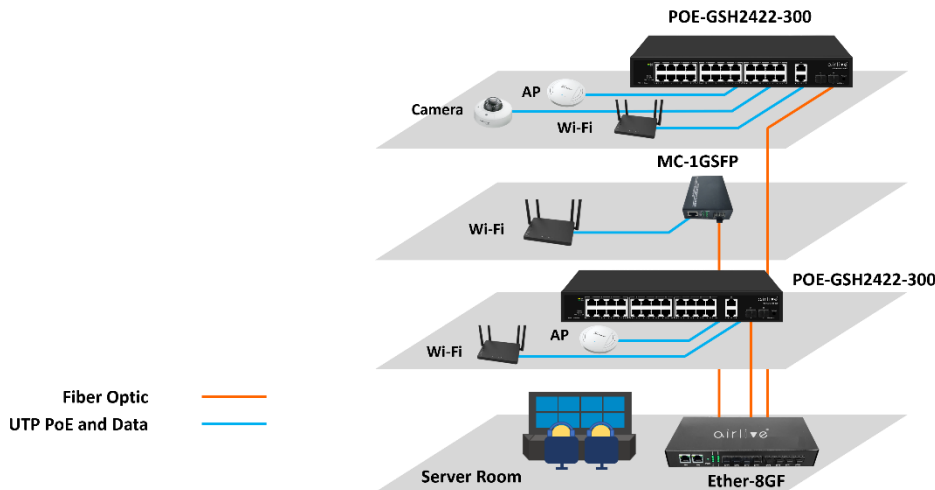
### Extend Mode

Extend mode: The POE-GSH2422-300 switch can be set in Extend mode to reach a distance of up to 250m, this can be very useful in locations where it hard to get power to turn on your PD device. The Extend mode makes this easier. The Extend mode is only for Port 17 to 24 on the switch and when enabled the transmission rate will be 10Mbps.



### Fiber backbone for Long Distance and Interconnect between floors

Extend the network further with SFP slot. Use the POE-GSH2422-300 fiber port to connect different floors together in a large building or to the main office over a longer distance. Depending on the module used it can reach up to 20KM in speed of 1250Mbps data transmission.



Model	AirLive POE-GSH2422-300
<p><b>Hardware</b></p> <ul style="list-style-type: none"> <li>• <b>Device Interface:</b> 24 x 30W PoE 10/100/1000 RJ-45 Auto MDI/MDI-X 2 x Uplink Gigabit port RJ-45 Auto MDI/MDI-X 2 x Uplink Gigabit SFP Auto MDI/MDI-X</li> <li>• <b>Standard</b> IEEE802.3u 100Base-TX / 100Base-FX IEEE802.3ab Gigabit 1000Base-T IEEE802.3z Gigabit SX/LX (Optical fiber) IEEE802.3at/af PoE IEEE802.3x</li> <li>• <b>LED Indicators:</b> PWR (Power), 1-28 Green LED (Link &amp; Data), 1-24 (Yellow LED), DIP Switch Mode LED, PoE Max LED: Off: indicates PoE power usage is less than 90% Flashing: indicates PoE power usage of 90% ≤ P ≤ 95% On: indicates that PoE power is used at 95% &lt;P &lt;100%</li> <li>• <b>Mechanical</b> Metal</li> </ul> <p><b>Surge and ESD protection</b></p> <p>Lightning surge: Common mode 4KV, Differential mode 2KV; Electrostatic ESD: Air 8KV, Contact 6K. Power Supply: Common mode 4KV, Differential mode 2KV.</p> <p><b>Power and PoE</b></p> <ul style="list-style-type: none"> <li>• <b>Protocol:</b> IEEE802.3at (30W), IEEE802.3af (15.4W)</li> <li>• <b>PoE Port:</b> 24</li> <li>• <b>PoE Power Output / PoE Port:</b> max. 30W (port 1~24)</li> <li>• <b>PoE Power Budget:</b> 285W Max</li> </ul> <p><b>Switch Architecture   Performance</b></p> <ul style="list-style-type: none"> <li>• <b>Fiber Medium</b> Multi-mode Fiber: 850nm, 1310nm Transmission Distance: 550m/2Km Single-mode Fiber: 1310nm, 1550nm Transmission Distance 20/40/60/80/Km</li> <li>• <b>Switching architecture: Store and Forward</b> Switch Capacity: Back-plan up to 56Gbps Forwarding Rate; 41.644Mpps MAC Address: 8K Packet Buffer: 3Mbit Jumbo Frame: 15Kbytes Transfer mode: Store and forward MTBF:100000 hour</li> </ul>	<p><b>DIP Switch Control</b></p> <ul style="list-style-type: none"> <li>• <b>Default:</b> Normal mode, all port can communicate with each other, the transmission distance is within 100m, the transmission rate is 10M/100/1000M adaptive. PoE Watchdog is disabled.</li> <li>• <b>Extend:</b> Extension mode, PoE power supply and data transmission distance can be extended to 250 meter at the transmission rate 10Mbps Port 17~24 only. PoE Watchdog will also be enabled when the Extend mode is in use.</li> </ul> <p><b>Power Supply</b></p> <ul style="list-style-type: none"> <li>• <b>Input Voltage:</b> AC 100-240 V 50-60Hz</li> <li>• <b>Internal Power Supply:</b> 52V/5.76A</li> <li>• <b>Power Usage Max:</b> 14.27W</li> </ul> <p><b>Environment</b></p> <ul style="list-style-type: none"> <li>• <b>Operating Temperature:</b> -10°C~+40°C</li> <li>• <b>Storage Temperature:</b> -40°C~+70°C</li> <li>• <b>Operating Humidity:</b> 10%~90%, non-condensing</li> <li>• <b>Storage Humidity:</b> 5%~95%, non-condensing</li> </ul> <p><b>Standard package of switch</b></p> <ul style="list-style-type: none"> <li>• <b>Product size:</b> 32 x 20.7 x 4.4 cm(L*W*H)</li> <li>• <b>Package size:</b> 37 x 29 x 8.5cm(L*W*H)</li> <li>• <b>Product Weight/Package Weight</b> NW: 1.967kg; G.W: 2.497kg</li> <li>• <b>Package content:</b> 1 x Switch, 1 x Power Cord.</li> </ul> <p><b>Standard carton package</b></p> <ul style="list-style-type: none"> <li>• <b>Quantity:</b> 5 pcs / 1 carton</li> <li>• <b>Dimensions</b> 44.5 x 31 x 39 cm(L*W*H)</li> <li>• <b>Carton Weight</b> 13.485kg</li> </ul> <p><b>Ordering Information</b></p> <ul style="list-style-type: none"> <li>• <b>Model:</b> <u>POE-GSH2422-300</u></li> <li>• <b>Name:</b> 28-port Gigabit PoE+ Switch incl, 24 x PoE 10/100/1000, 2 x 1000T, 2 x 1G SFP slot, 300W</li> </ul>

\* Specification will be changed without prior notice

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