POE-FSH8PW

8 port 24V Passive POE Web Smart Switch

- **8 Port Passive POE Switch,**
- **Supply 24V power over Ethernet cable to 24Vdc PoE Devices**
- **Full Power 130 Watt Built-in Power Supply**
- **Up to 100 meter cabling distance**
- **Support AirLive Models: AP60, AirMax2, AirMax5**
- **Web Management for configuring POE On/Off, Bandwidth Control and Tag VLAN**
- **Support IGMP Snooping, Port Trunk, Port Mirroring and MAC Binding advanced network management function**
- **Optional Rack Mount adapter**
- **Please make sure your PoE device can support 24Volt Passive PoE power, otherwise, it might damage the device.**

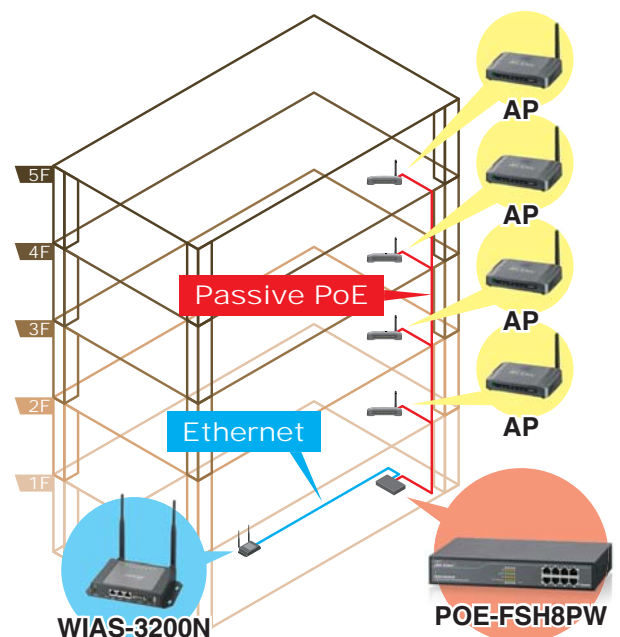|			
24 Volt	**Passive PoE**	**130 Watt**	**Full Power**
Web Manage	**Tag VLAN**	**Port Trunk**	**MAC Binding**

Can't find a PoE switch for your Passive PoE equipped APs? Can't get 100 meter of cabling distance? The AirLive PoE-FSH8PW is about to change everything. It is the industry's first 24V Passive PoE switch with full power internal power supply and rack mountable.

The AirLive POE-FSH8PW is an 8-Port, 24V DC passive POE, Web Smart Switch. It provides 24V DC power and data transmission over a single Ethernet cable, and is the ideal distribution switch for AirLive's Wireless solution. With the Passive POE function, the POE-FSH8PW can power AirLive's passive POE CPE or AP without additional power adapter. Moreover, it provides a remote management function for enabling/disabling the POE power output.

POE-FSH8PW also provides other useful network management functions, such as port based VLAN, Tag VLAN, Bandwidth Control, Trunking, and Broadcast Storm Control. For Wireless Hotspot or WISP system, POE-FSH8PW helps the installer not only to establish the network easier, but to design the network more flexible and secure.

POE-FSH8PW for Hotspot

With AirLive passive POE supported AP and hotspot gateway, POE-FSH8PW provides a complete solution for hotel, restaurant and coffee shop. There is no need to do additional wiring for electric power; the only thing to do is to plug the Ethernet cable the AP and POE-FSH8PW. For the POE-FSH8PW will both power on the AP and transmit the data via this cable.

AP
AP
Passive PoE
AP
AP
Ethernet
AP
WIAS-3200N
POE-FSH8PW

5F 4F 3F 2F 1F

www.airlive.com

Note: If you are not sure whether your AP supports 24V passive POE, please check with your vendor. Connect an AP that is unable to withstand 24V electric power might damage both your AP and the switch.

POE-FSH8PW for WISP

POE-FSH8PW also suits for WISP application. The network planner can quickly settle the whole wireless system with minimum cost of cabling. The designer can use POE-FSH8PW to connect to AirLive's wide coverage AP and outdoor CPE. Then connect the CPE with remote wireless base station for supplying stable and high quality Internet service.

Tag Based VLAN

Unlike ordinary web management switch that has only rudimentary port settings function. The POE-FSH8PW equipped with some very useful and advance management features. Tag based VLAN allows administrators to configure VLAN groups across different switches. Private VID function is supported to allow switches to write tag information into the packet. Defining complex VLAN function across the entire network becomes much easier.
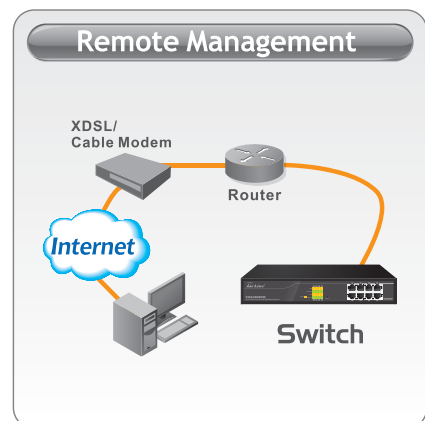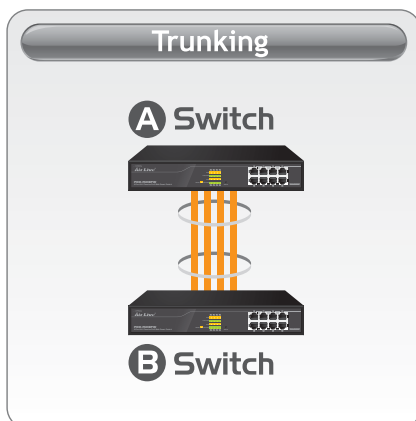
TAG VLAN

Switch
VLAN100   VLAN200
1 2 3 4

VLAN100   VLAN200   VLAN100   VLAN200
2 3 5 6   1 2 7 8
Switch   **Switch**

Broadcast Storm Control, Trunking, Bandwidth Control, Port Mirror

The broadcast storm control prevents one single station flood the network with broadcast packet. MAC based Trunking allows combining several ports to multiply the speed of one link. The bandwidth control function allows the network administrator to limit the traffic by Ethernet port. Finally port mirror is provided to allow MIS to sniff the packet of each port for diagnostic purpose.

Remote Management and firmware upgrade via Web browser

The POE-FSH8PW allows user to configure the switch or firmware upgrade through local LAN or over the Internet from web browser. In addition, it also supports Statistics Overview for network administrator to monitor the traffic usage of the network.

Trunking

A Switch

B Switch

Traffic Status

Traffic

Remote Management

XDSL/
Cable Modem

Router

Internet

Switch

Specifications

Standards
- IEEE 802.3 10BaseT
- IEEE 802.3u 100BaseTX
- IEEE 802.3x Flow control

Hardware
- Interface: 8 x 10/100BaseT(X) with 8 PSE/
  Passive PoE Ports
- MAC Address: 1K
- Buffer Memory: 512K bits
- Method: Store and Forward

Support AirLive Models
- AP60, AirMax2, AirMax5

Transmission Media
- 10BaseT Cat. 3, 4, 5 UTP/STP
- 100BaseTX Cat. 5 UTP/STP

LED Indicators
- Port LED: LINK/ACT, PoE ACT/Status
- Status LED: Power

Power Input
- 100~240V/AC, 50~60Hz

Power Output
- 24V/DC Per Port Output
- 30Watt Max Per Port Max
- 130W Total Power
- 8 Ports at Full 15.4 Watt Output Supported
- Power Pin: 4,5,7,8
- Data Pin: 1,2,3,6

Power Consumption
- 130 Watts (Max)

Dimensions
- 266 × 160 × 44 mm (L x W x H)

Weight
- 1.6 kg

Operating Temperature
- 0 to 65℃

Storage Temperature
- -20 to 90℃

Humidity
- 10 to 90% RH (non-condensing)

Certifications
- FCC Class A, CE

Ordering Information:

AirLive POE-FSH8PW   8 port 24V Passive POE Web Smart Switch