# 10/100M 19 Ports PoE Switch

**Simple | Secure | Trusted**

## PRODUCT OVERVIEW

AP-ES1216 19 ports PoE Switch, Adapted high-quality high-speed network IC and the most stable PoE chip, PoE port to meet the IEEE802.3af / at standard, series of PoE switches can be 10/100M Ethernet Network provides seamless connection, and PoE power supply port can automatically detect IEEE802.3af / IEEE802.3at compliant power supply equipment and its power supply, Only transmit data for non-PoE equipment.

PoE technology (Power over Ethernet), it refers to some IP-based terminals (such as IP telephones, wireless access AP, network cameras, etc.) while transmitting data signals, but also for the device to provide DC power supply Technology, which receive DC power supply equipment called power receiving equipment.

This series of PoE Switches, using 24 * PoE Ports + 2 * Gigabit Ethernet Uplink Ports + 1* Gigabit SFP Uplink Port, the Uplink port is to connect with the network equipment which provide data.

## MAIN FEATURES

- Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3af / at, store and forward.

- Supports 16* 10 / 100M PoE port and 2*Gigabit RJ45 ports+ 1* Gigabit SFP Fiber port.

- Compatible with IEEE802.3at (30W) and IEEE802.3af (15.4w).

- Ethernet port supports 10 / 100M adaptive and PoE functions.

- With DIP switch support 10M transmission rate via cat.6 transmission distance of up to 250 meters.

- LED indicators for monitoring power, link, activity and speed.

- Compatible with 1U Rack-Mount Chassis Installation.

- Support VLAN Mode and Extend 250meters.

- Internal Power Adapter Supply 52V5.76A / 300W.

- Port Lightning Protection: General Mode 6KV, Differential Mode 4KV, ESD 15KV.

# PRODUCT SPECIFICATIONS

## Hardware Specifications

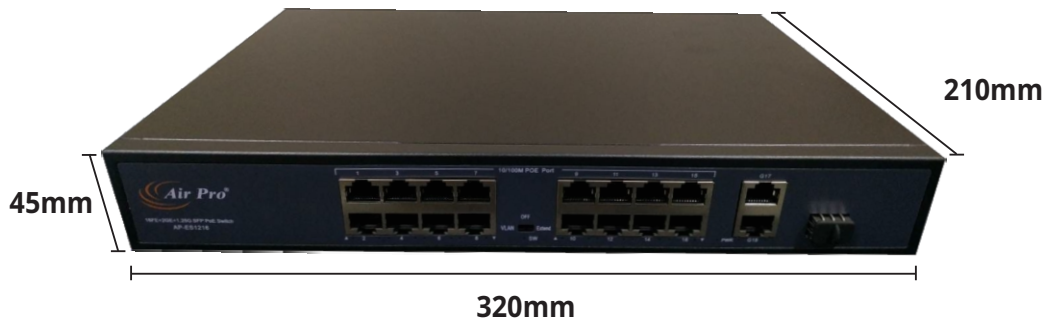| Item | AP-ES1216 | | |
|---|---|---|---|
| Product Name | 19-Ports PoE Switch with 16 PoE Ports+2*Gigabit Ethernet Uplink+1*Gigabit SFP Uplink port | | |
| Model | AP-ES1216 | | |
| Connector Type | 16 ports 10/100M PoE port + 2 ports Gigabit Uplink Ethernet + 1-port Gigabit Uplink SFP port | | |
| Optical | Multi mode fiber: 1310nm, 2Km<br>Single mode fiber: 1310nm, 20/40 Km | | |
| Performance Specification | 1550nm, 60/80/100/120Km<br>Bandwidth: 9.2Gbps (non-blocking)<br>MAC: 2K<br>Packet Buffer Memory: 1K<br>100M Packet Forwarding Rate: 0.1488Mbps/port<br>1000M Packet Forwarding Rate: 1.488Mbps/port<br>MTBF:100,000 hours | | |
| Port Lightning Protection | General Mode 6KV,<br>Differential Mode 4KV, ESD 15KV. | | |
| PoE Standard | IEEE 802.3af/at( each port 15.4W / 30W) | | |
| PoE Compatibility | AF/AT | | |
| PoE power output | DC48V | | |
| Power Supply | Power input: AC110-264V 50/60Hz; (every country use a custom power plug | | |
| PoE power pin | 12+,36- ( 45+,78- Optional) | | |
| PoE Port Power | 15.4W /30W for each PoE port | | |
| PoE Feature | All ports support MDI/MDIX | | |
| Network Protocols | Support IEEE802.3, IEEE802.3u, IEEE802.3x | | |
| Network Media | 10BASE-T: Cat6 UTP(≤250 meter) ;<br>100BASE-TX: Cat5 or more UTP (≤100 meter);<br>1000BASE-TX: Cat5 or more UTP (≤100 meter) | | |
| LED Indicator | PWR | Power supply indicator(Red) | Lighting: Powered<br>Un-Light: No Power |
| | SW | DIP indicator(Green) | OFF: Normal<br>Vlan: Lighting<br>Extend: Slow flash |
| | 1-10 | RJ-45 ACT indicator(Green) | Lighting: Connecting<br>Flashing: Data Transmit<br>Un-Light: Disconnect |
| Working Environment | Operating Temperature: -20 °C ~ 55° C;<br>Storage Temperature: -40 ° C~ 85 ° C;<br>Operating Humidity: max 90%, non-condensing | | |
| Certification | CE, CCC, FCC, RoHs | | |
| Transmission Distance | PoE transmission distance:100meters, 250meters<br>(when it's on 10Mbps rate with Cat.6 or more )<br>Uplink transmission distance: 100meters(Uplink RJ45 port);<br>Depend on your SFP module (Uplink SFP port) | | |
| Dimension(L×W×H) | 320 mm*210mm*45 mm | | |

# ORDER INFORMATION

| Product | Description |
|---|---|
| AP-ES1216 | 19-Ports 10/100M switch with 16 PoE ports, IEEE 802.3af/at; PoE Power Output:15.4Watts /30Watts per PoE Port. |
| Accessories in the Package: | |
| Package Contents | 19-Ports 10/100M Switch with 16 PoE ports and 3 Gigabit Uplink |
| | AC Power Plug |
| | Rack Kit |
| | User Guide |
| | Warranty Card |

- **PHYSICAL PIC REFERENCE:**



- **DIMENSION (320mm*210mm*45mm, Net Weight:1.8kg/unit**



210mm

45mm

320mm

- **PACKAGE DIMENSION (370mm*275mm*85mm, Gross Weight:2.3kg/unit**





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