


16-Port 100Mbps PoE Switch with 2 Gigabit Copper Ethernet & 1G SFP Uplink Ports

PRODUCT OVERVIEW

The AP-ES1216 is a 19-port PoE switch designed to provide seamless 10/100 Mbps Ethernet connectivity while supplying power to connected devices. It features 16 PoE ports, 2 Gigabit Ethernet uplink ports, and 1 Gigabit SFP fiber uplink port.

The AP-ES1216 is ideal for expanding network capabilities in small to medium-sized businesses, providing reliable data connectivity and power supply to various IP-based devices.

Appearance	Description
	<ul style="list-style-type: none">Ports:<ul style="list-style-type: none">16 × 10/100 Mbps PoE ports2 × Gigabit RJ45 uplink ports1 × Gigabit SFP fiber uplink portPoE Standards: IEEE 802.3af/at, with each port supporting up to 15.4W/30WNetwork Protocols: IEEE 802.3, IEEE 802.3u, IEEE 802.3xPower Supply: AC 110-264V, 50/60HzLightning Protection: General Mode 6KV, Differential Mode 4KV, ESD 15KV

KEY FEATURES AND HIGHLIGHTS

- PoE Capability:**
The 16 PoE ports comply with IEEE 802.3af/at standards, automatically detecting and supplying power to compatible devices such as IP telephones, wireless access points, and network cameras. Non-PoE devices are only transmitted data without power.
- Flexible Uplink Options:**
Equipped with 2 Gigabit RJ45 uplink ports and 1 Gigabit SFP fiber port, the switch offers versatile connectivity to network equipment, enhancing data transmission efficiency.
- Plug and Play:**
The switch supports automatic detection of network speed and cabling type, ensuring easy integration into existing 10/100 Mbps Ethernet networks without manual configuration.
- Extended Transmission:**
With a DIP switch, the device supports a 10 Mbps transmission rate over Cat 6 cables, extending the transmission distance up to 250 meters.
- Robust Design:**
Housed in a durable metal case, the switch is suitable for desktop or wall mounting, with a fanless design that ensures quiet operation, making it ideal for small office environments.

PRODUCT SPECIFICATIONS

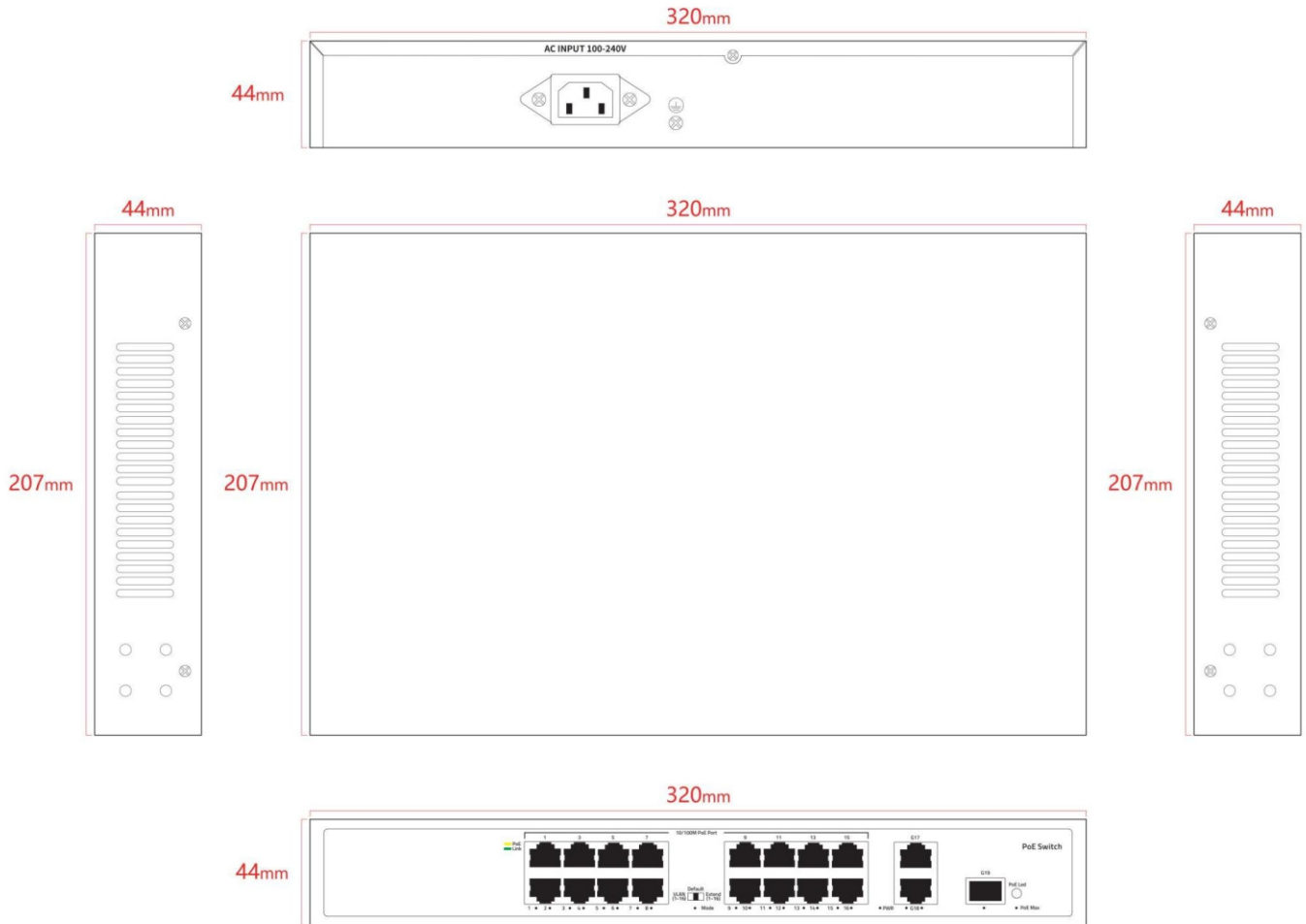
Hardware Specifications

Part No.	AP-ES1216
Interface	16 *100Mbps PoE ports 2 *1G RJ45 ports 1 *1G SFP port
Port Standard	IEEE802.3 (Ethernet) IEEE802.3u (Fast Ethernet) IEEE802.3ab (Gigabit Ethernet) IEEE802.3x (Flow Control) IEEE 802.3z (Gigabit Ethernet Fiber Standard)
Bandwidth	9.2Gbps
Packet Forwarding Rate	6.84Mpps
Packet Buffer	768Kbit
MAC Address Table	2K
Transmission Method	Store and Forward
PoE Standard	IEEE802.3af (15.4W) IEEE802.3at (30W)
PoE Port Output Voltage	DC 44-57V
PoE Ports	Port 2-24 PoE power output <30W, Port 1 PoE power output 60W
PoE Power Budget	300W
Power Supply	AC 100-240V 50/60Hz DC 52V 5.76A
Mainboard Power Consumption	5.3W
Structure Information	Product Dimensions: 320*207*45mm Packaging Dimensions: 370*290*85mm Product Net Weight: 1.61KG Product Gross Weight: 2.14KG
Packing Information	Carton Dimensions: 445*310*390mm Packing Quantity: 5PCS Packing Weight: 11.7KG
Package Contents	Switch 1pcs, power cord 1pcs, manual 1pcs, certificate of qualification 1pcs, rack mounting kit 1 pair
Fan Quantity	0
Installation	Desktop
Surge Protection	Port Surge: common mode 4KV, differential mode 2KV Electrostatic ESD: Air 8KV, Contact 6KV (Class B)
Operating Temperature	0 ~ 40°C
Storage Temperature	-40°C to 70°C
Operation Humidity	10% ~ 90%, non condensing
Storage Humidity	5% ~ 95%, non condensing
PWR Red LED	On: Powered on Off: Powered off
Mode Green LED	On: VLAN Flashing: Extend Off: Normal
1-16 Green LED	On: 10M/100M Link normal Off: Link blocked Flashing: Data transmitting
17-19 Green LED	On: 10M/100M/1G Link normal Off: Link blocked Flashing: Data transmitting
1-16 Yellow LED (PoE)	On: PoE powered on Off: PoE powered off
PoE Max Green LED	Off: Indicate that the PoE power usage is less than 90% Flashing(Once per second): Indicate that the PoE power usage of $90\% \leq P \leq 95\%$ On: Indicate that the PoE power is used at $95\% < P < 100\%$
PoE LED Buttons	Dual color LED selection: default green (link data), switch yellow LED (PoE)
VLAN/Default/Extend Modes Buttons	VLAN: Isolation mode, 1-16 ports isolated from each other, communicating with 17-19 ports, port PoE watchdog mode enabled. Default: Normal mode, all interfaces can communicate with each other, transmission distance is within 100 meters, transmission rate is 10/100Mbps adaptive, port PoE watchdog mode is turned off. Extend: Link extension mode, 1-16 ports PoE power supply and data transmission distance can be extended to 250 meters, transmission speed is 10Mbps, port PoE watchdog mode is enabled.

ORDER INFORMATION

Product	Description
AP-ES1216	16-Port 100Mbps PoE Switch with 2 Gigabit Copper Ethernet & 1G SFP Uplink Ports AC Power Plug Rack Kit User Guide Warranty Card

PHYSICAL APPLICATION REFERENCE



www.airpronetworks.com