



## 28 Ports Managed POE Switch

AP-ESG3024P

## OVERVIEW

AirPro APESG3024P 28-ports Gigabit-managed POE switch is a green energy-saving POE switch independently developed by AirPro. It adopts high-quality and high-speed network IC and the most stable POE chip. The POE port meets the 802.3af or 802.3at standard. This model can provide seamless connection for 10/100/1000M Ethernet, and the POE power port can automatically detect and power the powered devices that comply with the IEEE802.3af or IEEE802.3at standards.

## FEATURES

- Can transfer data for network surveillance cameras.
- 24x 1000Mbps auto-sensing POE ports, 4x 10/100/1000M Combo ports, 1 Console.
- Support IEEE802.3/IEEE802.3i/IEEE802.3u/IEEE802.3ab/IEEE802.3z, IEEE802.3af/at.
- Compatible with IEEE802.3at (30W) and IEEE802.3af (15.4w).
- Ethernet port supports 10/100/1000M adaptive and POE functions.
- Panel indicator monitoring the status and help failure analysis.
- Fanless design, natural cooling, 1U rack mount.
- Support 802.1x port authentication, support AAA authentication, support TACACS+ authentication.
- Support WEB, TELNET, CLI, SSH, SNMP, RMON management.
- Support POE power management.
- Support port lightning protection Surge: General Mode 6KV, Differential Mode 4KV, ESD 15KV.

## TARGET INDUSTRIES

1. HD monitor transmission and power supply.
2. Wireless AP layout transmission and power supply.
3. Network telephone transmission, intelligent house and home system.
4. Intelligent transportation supervisory system (ITS).
5. High-speed Way supervisory/Tele-Communication System.
6. Security protection system, TV medical treatment.
7. Long-distance Multi media Schooling, Campus monitoring.
8. Long-distance broadcast television transmission system.
9. High-building Security Protection, Military Tele-Com projects.

## GENERAL PERFORMANCE INDICATOR

ITEMS	SPECIFICATIONS
Product Name	28 Port Gigabit Managed POE Switch
Product Model	AP-ESG3024P
Interface	24*10/100/1000M POE ports + 4 Gigabit SFP/TP Combo ports, 1 Console port
Network Protocols	IEEE 802.3 IEEE 802.3u IEEE 802.3ab/ad/az/af/at IEEE 802.3x IEEE 802.1q IEEE 802.1p , QoS IGMP Snooping
PoE Parameters	PoE Standard: IEEE802.3at (30W) and IEEE802.3af (15.4w) PoE compatibility: IEEE 802.3af/at adaptive POE port output: DC48-55V Power Pin Assignment: Power over spare pairs 1/2(+) and 3/6 (-)
Network Transmission Medium	10BASE-T: Cat3, 4, 5 UTP (≤ 100 m) 100BASE-TX: UTP (≤100 m) above Cat5 1000BASE-TX: UTP (≤100 m) above Cat5
Optical	Multimode fiber: 1310nm, 2Km Single mode fiber: 1310nm, 20/40 Km 1550nm, 60/80/100/120Km
The LED indicator	SYS, PWR, Link (lines 2, 4) / Act (lines 1, 3)
Power Supply	Input voltage: AC110-264V; Output DC52V7.69A Total power: 400W
Physical Dimension Working Environment	Product size (L×W×H): 445mm× 285mm× 45mm Package size (L × W × H): 470mm × 350mm × 120mm Product weight: 3.9kg Package weight: 4.5 kg
	Operating Temperature:-20° ~ 55 ° C; Storage Temperature: -40 ° ~ 85 ° C; Operating Humidity: 10% ~ 95%, non-condensing Working height: up to 10,000 feet (3,000 meters) Storage height: up to 10,000 feet (3,000 meters)
Certification	CE, FCC, RoHS
MTBF:	100,000 hours
Package Contents	1. Switch: 1 set 2. Instruction manual: 1 3. Certificate of conformity: 1 4. Warranty card: 1 5. AC power cord 1 6. A pair of hanging ears

## TECHNICAL SPECIFICATION

ITEMS	SPECIFICATIONS
Bandwidth	56Gbps (non-blocking)
Packet Forwarding rate	41.6Mpps
Processor	RTL8382M
Flash Capacity	16M
Memory Capacity	1024M(1G)
MAC	8K

## LAYER 2 SOFTWARE FUNCTION

ITEMS	SPECIFICATIONS
Port Management	Enable/Disable Port Speed, Duplex, MTU Setting Flow-control Port Information Check
Port Mirroring	Supports both side-way port mirroring
Port Speed Limit	Supports port-based input / output bandwidth management
Port Isolation	Support the downlink port isolation, and can communicate with the uplink port
Storm Suppression	Supports unknown unicast, multicast, unknown multicast, broadcast type storm suppression Storm suppression based on bandwidth regulation and storm filtering
Link Aggregation	Support static manual aggregation Support LACP dynamic aggregation
VLAN	Access Trunk Hybrid Support port, protocol, MAC-based VLAN partitioning Support GVRP dynamic VLAN registration Voice VLAN
IPv6 Support	ICMPv6, IPv6 Neighbor Discovery, MLD Snooping, IPv6 Telnet
Basic Layer - 3 Protocol and Switching Support	Inter VLAN Routing, Static Routes, DHCP Relay, Static ARP
MAC	Support static addition, deletion MAC address learning limit Support dynamic aging time setting
Spanning tree	Support STP spanning tree protocol Supports RSTP Rapid Spanning Tree Protocol Supports MSTP Rapid Spanning Tree Protocol
Multicast	Support static addition, deletion IGMP-snooping Support MLD-Snooping Support v1/2/3 dynamic multicast monitor
DDM	Support SFP/SFP+DDM

## EXTENDED FUNCTION

ITEMS	SPECIFICATIONS
ACL	Based on source MAC, destination MAC, protocol type, source IP, destination IP, L4 port
Qos	Based on 802.1p (COS) classification Based on DSCP classification Classification based on source IP, destination IP, and port number Support SP, WRR scheduling strategy Support flow rate limit CAR
LLDP	Support LLDP link discovery protocol
User settings	Add/delete users
Log	User login, operation, status, events
Anti-attack	DOS defense Support CPU protection and limits the rate of sending cpu packets ARP binding (IP, MAC, PORT binding)
Certification	Support 802.1x port authentication Support AAA certification
Network diagnosis	Support ping, telnet, trace
System Management	Device reset, configuration save/restore, upgrade management, time setting, etc.

## MANAGEMENT FUNCTION

ITEMS	SPECIFICATIONS
CLI	Support serial port command line management
SSH	Support SSHv1/2 remote management
TELNET	Support telnet remote management
WEB	Support Layer 2 settings, Layer 2 and Layer 3 monitor
SNMP	SNMP V1/V2/V3 Support trap : Cold Start, WarmStart, Link Down, Linkup
RMON	Support RMON v1
POE	Support PoE power supply
Other functions	Support DHCP Snooping、 Option82 Support dynamic ARP detection Support TACACS+ certification Support DNS certification Support port security settings Support MVR protocol Support cable detection VCT function Support UDLD protocol

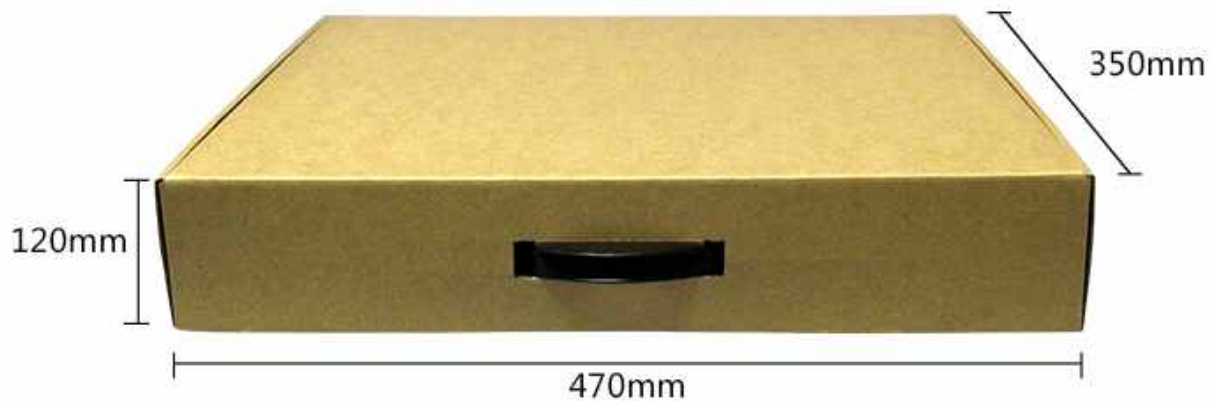
- **PHYSICAL PIC REFERENCE:**



- **DIMENSION (445mm\*285\*mm\*45mm, Net Weight : 3.9kg/unit)**



- **PACKAGE DIMENSION (470mm\*350\*mm\*120mm, Gross Weight: 4.5kg/unit)**



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