

# 8 Port L2 Managed PoE with 2SFP Uplink

## PRODUCT OVERVIEW

AirPro SG4500 series are cost-effective GbE standalone switches which provide enterprise-class access for campus and branch applications. These fully managed switches can provide advanced Layer 2 features as well as Power over Ethernet Plus (PoE+) power. Designed for operational simplicity to lower total cost of network, SG4500 Series provide scalable, secure, and energy-efficient business network access with intelligent services.

## FEATURES

- 8x10/100/1000Base-T+2x100/1000Base-X (SFP).
- 1 console, 1 reset port.
- AC power supply.
- Switching capacity: 20Gbps.
- Forwarding rate: 14.88Mpps.
- PoE/PoE+.
- Power Budget 150w.



## KEY FEATURES AND HIGHLIGHTS

### Green Energy:-

AP-SG4500 series complies with IEEE 802.3az (Energy-Efficient Ethernet) standard, dramatically lower power consumption. With the Innovative port-LED Shut-off function, the user can automatically set the switch port-LED UP or DOWN at a specified period according to their needs to achieve functional, energy-saving correct results.

A full account of low noise requirements of the environment, AP-SG4500 uses Fanless Design and Smart fan strategies to real-time temperature monitoring system, and reduce the noise pollution.

### Simple Operation and Maintenance:-

VCT, DDM (Digital Diagnostic Monitoring) and other features achieve rapid detection of the network failures; reduce operation and maintenance difficulty.

### High Reliability:-

AP-SG4500 series support 2 Gigabit uplink ports, which could be designed to offer redundant uplinks with various ring protection

applications, effectively raised the expansibility and performance of network.

G.8032 provides sub-50ms protection and recovery switching for Ethernet traffic in a carrier ring topology. SG4500 series support G.8032 v2 and can be deployed in a variety of complex network topologies including single ring, tangent ring, intersecting rings, double rings and other home networking.

### Abundant Multicast Features:-

AP-SG4500 Series supports DHCP snooping, which prevents DHCP attacks and illegal DHCP SERVER by setting trust ports and untrustports. With DHCP Snooping binding and option82 enabled, it can combine modules like dot1x and ARP, or implement user-access-control independently.

## PRODUCT SPECIFICATIONS

### Hardware Specifications

<b>Item</b>	<b>AP-SG4500-10GT-P-2SFP</b>
Ports	8 x 100/1000Base-T + 2 x 100/1000Base-X (SFP) Auto-MIDX
<b>Performance</b>	
Switching Capacity	20Gbps
Forwarding Rate	14.88Mpps
Flash	32M
RAM	128M
MAC Address	16K
Jumbo Frame	10K
ACL Table	1000
Queues per port	8
VLAN TABLE	4K
<b>Physical</b>	
Dimension(W×H×D)	266mm x 43.6mm x 161mm
Power Input	100~240VAC, 50~60Hz
PoE/PoE+	Af/at
PoE	150W
Temperature	Working 0°C~50°C, Storage -40°C~70°C
Relative Humidity	5%~95%, non-condensing
EMC Safety	CE, RoHS
<b>Main Features</b>	
Forwarding	Storage and Forwarding
VLAN	Port-based VLAN, IEEE802.1Q, private VLAN, Protocol VLAN, Voice VLAN, MAC VLAN Normal QinQ, Flexible QinQ VLAN Translation, N:1 VLAN Translation
DHCP	IPv4/IPv6 DHCP Client, IPv4/IPv6 DHCP Relay Option 82, Option 37/38 IPv4/IPv6 DHCP Snooping, IPv4/IPv6 DHCP Server
<b>Reliability:</b>	
Spanning Tree	802.1D STP, 802.1W RSTP, 802.1S MSTP Root Guard, BPDU Guard, BPDU Forwarding
LACP	8 groups / 8 ports
L2 Ring Protection	MRPP ERPS (G.8032) Loopback Detection Fast Link
Security	IP ACL, MAC ACL, MAC-IP ACL, User-Defined ACL Time Range ACL ACL rules can be configured to port, VLAN Storm Control based on packets and bytes Port Security, MAC Limit based on VLAN and Port Anti-ARP-Spoofing, Anti-ARP-Scan, ARP Binding ND Snooping IP Source Guard, Dynamic ARP Inspection IEEE 802.1x Authentication, Authorization, Accounting Radius, TACACS+

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Multicast	IGMP v1/v2/v3 snooping, IGMP Fast leave MVR MLD v1/v2 snooping IPv4/IPv6 DCSCM
QoS	8 Queues Per Port Bandwidth Control Flow Redirect Classification based on ACL, VLAN ID, COS, TOS, DSCP Policing Based on Port and VLAN Single Rate single barrel double color for Policing Remark DSCP, COS/802.1p, Precedence, TOS SP, WRR, SWRR, DWRR for Scheduling Match the IP fragmentation of message
Maintenance and Operation Management	TFTP/FTP CLI, Telnet, Console Web/SSL (IPv4/IPv6) SSH (IPv4/IPv6) SNMPv1/v2c/v3 SNMP Trap Public & Private MIB interface RMON 1, 2, 3, 9 Ping, Trace Route Syslog (IPv4/IPv6) SNTP/NTP (IPv4/IPv6) Multiple Configuration Files Port Mirror, CPU Mirror, RSPAN VCT, DDM ULDP (like Cisco UDLD) LLDP/LLDP MED
Green Energy	IEEE 802.3az (Energy Efficient Ethernet) Fanless (10P, 10P-PL & 28P) LED Shut-off

## ORDER INFORMATION

Product	Description
AP-SG4500-10GT-P-2SFP	L2 Gigabit Intelligent Ethernet PoE Switch with 8*10/100/1000Base-T and 2*100/1000Base-SFP ports, 100-240VAC Power Input. 30w POE+ Supported. PoE output 150W