


L2 Gigabit Access Switch

OVERVIEW

The AirPro AP-SG4300LT-10GT-P-2SFP delivers cost-effective, Gigabit Ethernet (GbE) standalone switches designed for enterprise-class access in campus and branch environments. These fully managed switches offer advanced Layer 2 features along with optional Power over Ethernet Plus (PoE+), ensuring seamless connectivity and efficient power distribution for network devices.

Engineered for operational simplicity, the AP-SG4300LT-10GT-P-2SFP reduces the total cost of ownership while providing scalable, secure, and energy-efficient network access. With intelligent services and enterprise-grade performance, these switches are ideal for businesses seeking reliable and high-performance network solutions.

Appearance	Description
 <p data-bbox="248 857 544 887">AP-SG4300LT-10GT-P-2SFP</p>	<ul data-bbox="730 734 1267 902" style="list-style-type: none">• 8x10/100/1000Base-T PoE+2x100/1000Base-X (SFP)• 1 console, 1 reset port• PoE+, 120W Power Budget• AC power supply• Switching capacity: 20Gbps• Forwarding rate: 14.88Mpps

KEY FEATURES AND BENEFITS

Green Energy

The AP-SG4300LT-10GT-P-2SFP is designed for optimal energy efficiency and silent operation, making it ideal for environments where power savings and noise control are critical. Energy-Efficient Ethernet (EEE) Compliance

- IEEE 802.3az (Energy-Efficient Ethernet) standard compliance significantly reduces power consumption.
- Automatically adjusts power usage based on network traffic, ensuring efficient energy utilization. Fanless architecture in select models ensures silent operation.
- Smart fan strategies dynamically adjust cooling based on real-time temperature monitoring.
- Reduces noise pollution, making it suitable for office, data center, and quiet environments.

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-SG4300LT-10GT-P-2SFP support 4 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. AP-SG4300LT-10GT-P-2SFP 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-SG4300LT-10GT-P-2SFP also support MVR (Multicast VLAN Register), selectively allows traffic to cross between different VLANs for bandwidth and security reasons. With MVR Trunk function, which could associate multicast VLAN to trunk port, AP-SG4300LT-10GT-P-2SFP combines the VLAN data into the same link, saving lots of resources for users.

AP-SG4300LT-10GT-P-2SFP could prevent multicast traffic from flooding via IGMP Snooping, while multicast traffic is only forwarded to ports associated to multicast devices.

PRODUCT SPECIFICATIONS

Hardware Specifications

Item		AP-SG4300LT-10GT-P-2SFP
Ports		8 x 10/100/1000Base-T PoE + 2 x 100/1000Base-X (SFP) Auto-MIDX
Performance		
Switching Capacity		20Gbps
Forwarding Rate		14.88Mpps
Flash		32M
RAM		128M
MAC ADDRESS		8K
Jumbo Frame		10K
ACL Table		1408
Queues per port		8
VLAN TABLE		4K
Physical Features		
Dimension(W×H×D)		320mm x 43.6mm x 208mm
Power Input		100~240VAC, 50~60Hz
Power Consumption		Without PD: < 8w PoE Power: 120W
Cooling		Passive
Main Features		
Forwarding		Storage and Forwarding
VLAN		Port-based VLAN, IEEE802.1Q, private VLAN, Protocol VLAN, Voice VLAN, MAC VLAN Normal QinQ, Selective 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
Reliability	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+
Multicast		IGMP v1/v2/v3 snooping, IGMP Fast leave MVR MLD v1/v2 snooping IPv4/IPv6 DCSCM

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Main Features	AP-SG4300LT-10GT-P-2SFP
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 Cloud Managed 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-SG4300LT-10GT-P-2SFP	L2 Gigabit Intelligent Ethernet PoE Switch with 8*10/100/1000Base-T PoE and 2*100/1000Base-SFP ports, 100-240VAC Power Input. 30w POE+ Supported. PoE output 120W



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