AP ESG3018P

16GE+2SFP Ports 48V L2 Managed PoE Switch with 16-Port PoE

- 16GE+2SFP Full Gigabit Switch with 16 PoE

- Internal power adapter supply 180W

- QoS and IGMP snooping optimize voice and video application

- Support STP/RSTP

- Switching Capacity 36Gbps

- Packet Forwarding Rate 27.7Mbps

- 16K Mac address

- Up to 4K QVLANs simultaneously

- Link Aggregation Control Protocol (LACP)

- WEB/CLI managed modes, SNMP, bring abundant management features

Air Pro

AirPro Technology Ltd.

OVERVIEW

Air Pro 16 gigabit L2 managed switch provides 16 10/100/1000Mbps ports. The switch provides high performance, enterprise-level QoS, advanced security strategies and rich layer 2 management features. Also, the switch comes equipped with 2 gigabit SFP slots, expanding your network flexibly. AP-ESG3018P is the cost-effective network solution for the ideal SMB's.

AP-ESG3018P includes robust security and management features. The IP-MAC-Port-VID Binding and Access Control List (ACL) functions protect against broadcast storms, ARP, Denial-of-Service (DoS) attacks and so on. Quality of Service (QoS, L2 to L4) provides enhanced traffic management capabilities to move your data smoother and faster. Additionally, the easy-to-use web management interfaces, along with CLI, SNMP, mean faster setup and configuration with less downtime. For workgroup and departments requiring cost-sensitive Layer 2 Switch and gigabit capability, our L2 managed Switch provides you the perfect access-edge solution.

SECURE NETWORKING:

AP-ESG3018P consist of IP-MAC-Port-VID Binding, Port Security, Storm control and DHCP Snooping which protect against broadcast storms, ARP attacks, etc. It integrates some typical DoS attacks to select. You can protect these attacks more easily ever than before. Also, the Access Control Lists (ACL, L2 to L4) feature restricts access to sensitive network resources by denying packets based on source and destination MAC address, IP address, TCP/UDP ports and even VLAN ID.

ADVANCED QOS FEATURES:

To integrate voice, data and video service on one network, the switch applies rich QoS policies. The administrator can designate the priority of the traffic based on a variety of means, including IP or MAC address, TCP or UDP port number and so on, to assure that voice and video are always clear, smooth and jitter free.

ABUNDANT LAYER 2 FEATURES:

AP-ESG3018P supports a complete lineup of layer 2 features, including 802.1Q tag VLAN, Port Isolation, Port Mirroring, STP/RSTP, Link Aggregation Control Protocol and 802.3x Flow Control function. Also, the switch provides advanced features for network maintenance such as Loop Back Detection, Cable Diagnostics and IGMP Snooping. IGMP snooping ensures that switch intelligently forward the multicast stream only to the appropriate subscribers while IGMP throttling & filtering restrict each subscriber on a port level to prevent unauthorized multicast access.

HARDWARE SPECIFICATIONS

ITEMS	SPECIFICATIONS
Interface	16 10/100/1000Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) 2 1000Mbps SFP Slots 1 Console Port
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) 100BASE-TX/1000Base-T: UTP category 5, 5e, 6 or above cable (maximum 100m) 1000BASE-X: MMF, SMF 1000Base-L X:62.5μm/50μm MM(2m~550m) or 10μm SMF(2m~5000m)
Fan Quantity	Fan
Power Consumption	350W (max. with PoE device connected)
External Power Supply	AC 110~265V 50/60HZ
PoE Ports (RJ45)	Standard: 802.3 af/at compliant PoE Ports: Port1- Port-16 Power Supply: 180W
Switching Capacity	36Gbps
Packet Forwarding Rate	26.7Mpps
Mac Address Table	16K
Packet Buffer Memory	4Mb
Jumbo Frame	10240 Bytes
Dimensions	Product Size : 440mm* 220mm*44mm （L*W*H)

SOFTWARE SPECIFICATIONS

ITEMS	SPECIFICATIONS
Quality of Service	Support 802.1p CoS/DSCP priority Support 4 priority queues Queue scheduling: SP, WRR, SP+WRR Port/Flow- based Rate Limiting
L2 Features	IGMP Snooping V1/V2/V3 802.3ad LACP (Up to 8 aggregation groups, containing 8 ports per group) Spanning Tree STP/RSTP/MSTP Port isolation BPDU filtering/guard TC/Root protect Loop back detection 802.3x Flow Control
VLAN	Supports up to 4K VLANs simultaneously (out of 4K VLAN IDs) Port/ MAC/Protocol-based VLAN Management VLAN configuration
Access Control List	L2 ~ L4 package filtering based on source and destination MAC address, IP address, TCP/UDP ports, 802.1p, DSCP, protocol and VLAN ID; Time Range Based
Security	IP-MAC-Port-VID Binding IEEE 802.1X Port/MAC Based authentication, Radius,Guest VLAN DoS Defence, Dynamic ARP inspection (DAI) SSH v1/v2, SSL v2/v3/TLSv1 Port Security, Broadcast/Multicast/Unknown-unicast Storm Control
Management	Web-based GUI and CLI management SNMP v1/v2c/v3,compatible with public MIBs DHCP/BOOTP Client, DHCP Snooping, CPU Monitoring, Port Mirroring Time Setting: SNTP Integrated NDP/NTDP feature Firmware Upgrade: TFTP & Web System Diagnose: VCT SYSLOG & Public MIBS

OTHERS

ITEMS	SPECIFICATIONS
Certification	CE, FCC, RoHS
Package Contents	POE Switch Electric Line Guide Book/Warranty Card
Environment	Working Temperature： 0℃ ~ 40℃ Storage temperature ： -40℃ ~ 70℃ Working Humidity ： 10% ~ 90% RH non-condensing Storage Humidity： 5% ~ 90% RH non-condensing

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