



Model: AZSW24GPL3-8S4S+

Description

AZSW24GPL3-8S4S+ is Azsecu's layer 3 full gigabit managed fiber PoE switch. This 10G L3 Core PoE Switch uses top-rated 10G network switching chip, multiple layers PCB design, as well as self-developed switch software system. With combination of hardware and software, it improves product quality from forwarding stability, packet processing speed, and other work capability. The switch supports stable and reliable fast Ring Protection Protocol(RSTP)/MSTP. It achieved real ring loop redundancy protection. Besides, there is no need to configure 10G port when users using this switch, to reduce probability of network failure. Support dynamic or static binding by users' definition, such as IP, MAC, VLAN, PORT, etc; Support port isolation, to prevent communication between two neighbor network equipment within the same broadcast domain, for reducing network risk; Supports perfect storm control function which can suppress broadcast, multi-cast, and uni-cast storm; Support management by CLI, Telnet, Console port, which is more suitable for professional network administrator; It also allow reset by one-press, making maintenance easier.

FEATURES:

- 24*10/100/1000M PoE RJ45 ports + 8*Gigabit SFP ports + 4*10G SFP+ ports
- Support L3 Switching features, including Static route, Default route, ARP, VLAN, TRUNK, Mirroring, Port isolation/flow control/speed limit, Storm control, QOS, ACLs etc.
- Support spanning tree STP, RSTP and MSTP.
- Jumbo frames support up to 9.6K kilobytes
- Support enhanced management through WEB, CLI, TELNET, SNMP
- Support cable diagnosis
- 24 ports support PoE. Compliant with both IEEE 802.3af/at. Allow PoE configuration for each PoE port

Ordering Information

Model No	AZSW24GPL3-8S4S+
Dimension (LxWxH)	440 x 290 x 44.5mm
Weight	5300g
Product Box Size (mm)	525 x 390 x 95mm
Carton Size; Qty/CTN	550*410*500mm;5pcs/carton

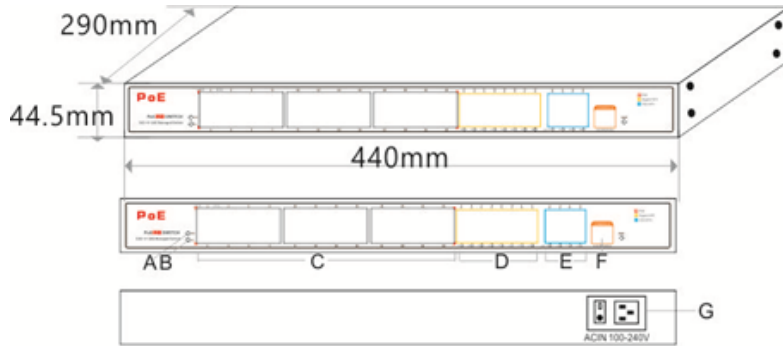
Precaution

- Do not install POE Switch in temperature above 50°C or under -10°C.
- Do not install in a places with high humidity
- Do not drop the POE Switch and avoid physical shock.
- Its highly important to use the correct and suitable power supply (AC100-240V) for the POE Switch.
- Only Professional and qualified technician can install and test the POE Switch

MODEL	AZSW24GPL3-8S4S+
POE SWITCH	
Ports	24*10/100/1000M PoE RJ45 ports+8*Gigabit SFP ports+4*10G SFP+ ports
Management port	1x Console port
Reset key	1x Reset key, for restore default settings
Switching Capacity	598G
PoE Feature	IEEE802.3af/at; Support PoE management, PoE schedule, Information of PoE status.
Packet Forwarding Rate	107Mpps @ 64bytes
Operating temperature	-20~+55°C
Input voltage	AC: 110 ~ 240V/50 ~ 60Hz
Total power consumption	400W
Protocol & Standard	IEEE 802.3,10BASE-T Ethernet; IEEE 802.3u, fast Ethernet Standard; IEEE 802.3ab, gigabit Ethernet Standard; IEEE 802.3z, gigabit Ethernet Fiber Standard;(AOC fiber cable); IEEE 802.3ae,10G Ethernet Standard; IEEE 802.3x, full-duplex Ethernet data link layer flow control;
MAC	32K; supports automatic updates, two-way learning;
SRAM Buffer	32Mb
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter); 100BASE-TX: Cat5e or later UTP(≤100 meter); 1000BASE-TX: Cat6 or later UTP(≤100 meter)
Power Supply Pin	Default: 1/2(+), 3/6(-)
MAX/Average Power Per Port	30W/15.4W
Total PWR / Input Voltage	400W (AC100-240V)
Power Consumption	Standby:<6W; Full Load:<400W
LED	Power indicator PWR(yellow); Network indicator:Link (yellow); SFP fiber port :L/A (green); POE indicator : PoE (green); Rate indicator: (green)
Reset Button	Yes
Power Supply	Built in power supply, AC100~240V 50-60Hz 6.6A
Operation TEMP/Humidity	-20~+55°C; 5%~90% RH Non-condensing
Installation Method	desktop type, 19 inch 1U cabinet installation
Port lightning protection	Port lightning protection : 4KV 8/20us; Protection level: IP30
Certification	CCC; CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;
Warranty	1 year
Management	
Interface	IEEE802.3x flow control (full duplex) Broadcast storm suppression for port rate support speed limit for incoming and offline message traffic, with a minimum particle size of 64Kbps. Temperature protection setting Energy saving configuration of port IEEE Ethernet
PoE Management	Total power limit of PoE power supply; PoE output power allocation per port, close /af/at; PoE output priority configuration for each port; PoE working state display per port; Power delay start; PoE work and time scheduling
VLAN	Support port based VLAN (4K), IEEE802.1q/protocol based VLAN/Access, Trunk, Hybrid three types of port configuration/QinQ configuration

Multicast	Support IGMP Snooping V1/V2 and support 1024 multicast groups at most Support the user's quick departure mechanism Support MLD Snooping V1/V2 Support multicast VLAN
Image	Bi-directional traffic mirroring supporting the basic port
QoS	Diff-Serv QoS; Each port supports 8 output queues; 802.1p/DSCP priority mapping; queue scheduling mechanism (SP, WRR, SP+WRR); priority tag Mark/Remark; stream based packet filtering; stream based redirection; flow based speed limit
ACL	Support L2 to L4 packet filtering function, can match the first 80 bytes of the message, provide based on the source MAC address, destination MAC address, source IP address, destination IP address, IP protocol type, TCP/UDP port, TCP/UDP port range, VLAN and other definition ACL. Support ACL based on port and VLAN
DHCP	Support DHCP Client; DHCP Snooping; DHCP Serve; DHCP Relay
Safety Characteristics	Support user grading management and password protection; IEEE802.1X authentication / centralized MAC address authentication; AAA&RADIUS authentication; The number of MAC address learning restrictions; MAC address black hole; SSH 2 to provide secure passwords for user login; SSL to ensure data transmission security; Port isolation; The speed limit function of ARP message; IP source address protection; ARP intrusion detection function; Against DoS attacks; Port broadcast message suppression; Host data backup mechanism; Binding capabilities of IP+MAC+VLAN+ ports
Port Aggregation	Support LACP/static polymerization/largest 8 aggregation groups, each aggregation group supports 8 ports.
Spanning Tree	STP (IEEE802.1d); RSTP (IEEE802.1w); MSTP (IEEE802.1s)
Industrial Ring Network Protocol	Support G.8032 (ERPS), support 255 loops at most, and supports 1024 devices per ring. The self healing time of the ring network is less than 20ms
Management And Maintenance	Console/AUX Modem/Telnet/SSH2.0 CLI command line configuration; WEB management (support for HTTPS); FTP, TFTP, Xmodem, SFTP file download management; SNMP V1/V2C/V3; Support one bond reduction; NTP clock; System work log; Ping detection; Support cable state detection; Support CPU instant utilization status view; Support link layer discovery protocol LLDP; ONV NMS cluster management supporting ONV service (LLDP+SNMP)
System Requirements	Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later; 5 types and above Ethernet cable; TCP/ IP, network adapter and network operating system (such as Microsoft Windows, Linux or Mac OS X) are installed on computers in the network.

Dimension



- A. PWR LED Indicator
- B. SYS LED Indicator
- C. 24*10/100/1000M PoE Ports
- D. Gigabit SFP Port
- E. 10G SFP Port
- F. Console Port
- G. Power Input Port - AC100-240V, 50/60Hz

Application:

