

Multiservice Gigabit Ethernet Switch (w POE)

AS2300P Series



- **The carrier-level Ethernet ring protection protocol**
- **Advanced In-Service Software Up-grade (ISSU)**
- **IEEE 802.3AF/AT PoE standard**
- **Manual and dynamic PoE power allocation**
- **Flexible bandwidth control policies**
- **Equipment-level security**
- **SNMP remote web management**

ACT AS2300P series Optical Fiber Gigabit Ethernet POE Switch is a new generation, intelligent and high-performance L3 Lite switches which provide network operators and service providers with a cost-effective access layer for Fast Ethernet P2P services in Fiber to The Home/Business (FTTH & FTTB) networks.

AS2300 series includes standard three base models each: AS2308P, AS2316P, A2324P. The platform provides high-density ports with flexible configuration options and a user-friendly interface to allow operators to quickly and easily expand their existing networks and services.

AS2300P series is designed for carrier's IP MAN and enterprise networks. Based on the latest hardware and BDROS platform, it supports functions such as ACL, QinQ and QoS. It's simple management mode and flexible installation can meet the requirement of any complicated scenarios. AS2300P offers compatibility with all existing Fast Ethernet or Gigabit Ethernet devices in the network. It provides high-performance switching and seamless cooperation with ACT routing and switching products. Combined with ACT's Video Overlay package, the AS2300P can provide the perfect end-to-end FTTH solution in offering advanced video, voice, and data services.

Key Features

- Supports the carrier-level Ether-net-ring protection protocol
- Powerful ACL functions to access and control L2 to L7 data based on physical port
- Supports In-Service Software Up-grade (ISSU)
- Supports various L2 multicast functions such as IGMP-snooping, fast-leave and MVR to fully meet the operation requirements of carrier's IPTV
- Supports IEEE 802.3AF/AT PoE standard
- Supports manual and dynamic PoE power allocation
- Supports up to 4KV thunder-proof of the PoE port and power supply
- Supports priority retagging and complicated flow classification based on VLAN
- Provides flexible bandwidth control policies
- Supports multiple queue schedule algorithms such as SP, WRR and "SP + WRR"
- Equipment-level security
- Perfect security authentication mechanisms
- SNMP remote web management
- Supports FTP, TFTP and SFTP, ISSU, SNMP and NMS smart network management platform

Model Lists

AS2308P-2S-AC



- 8-Port Gigabit PoE+
- 2-Port Gigabit SFP

AS2316P-4S-AC



- 16-Port Gigabit PoE+
- 4-Port Gigabit SFP

AS2324P-4S-AC



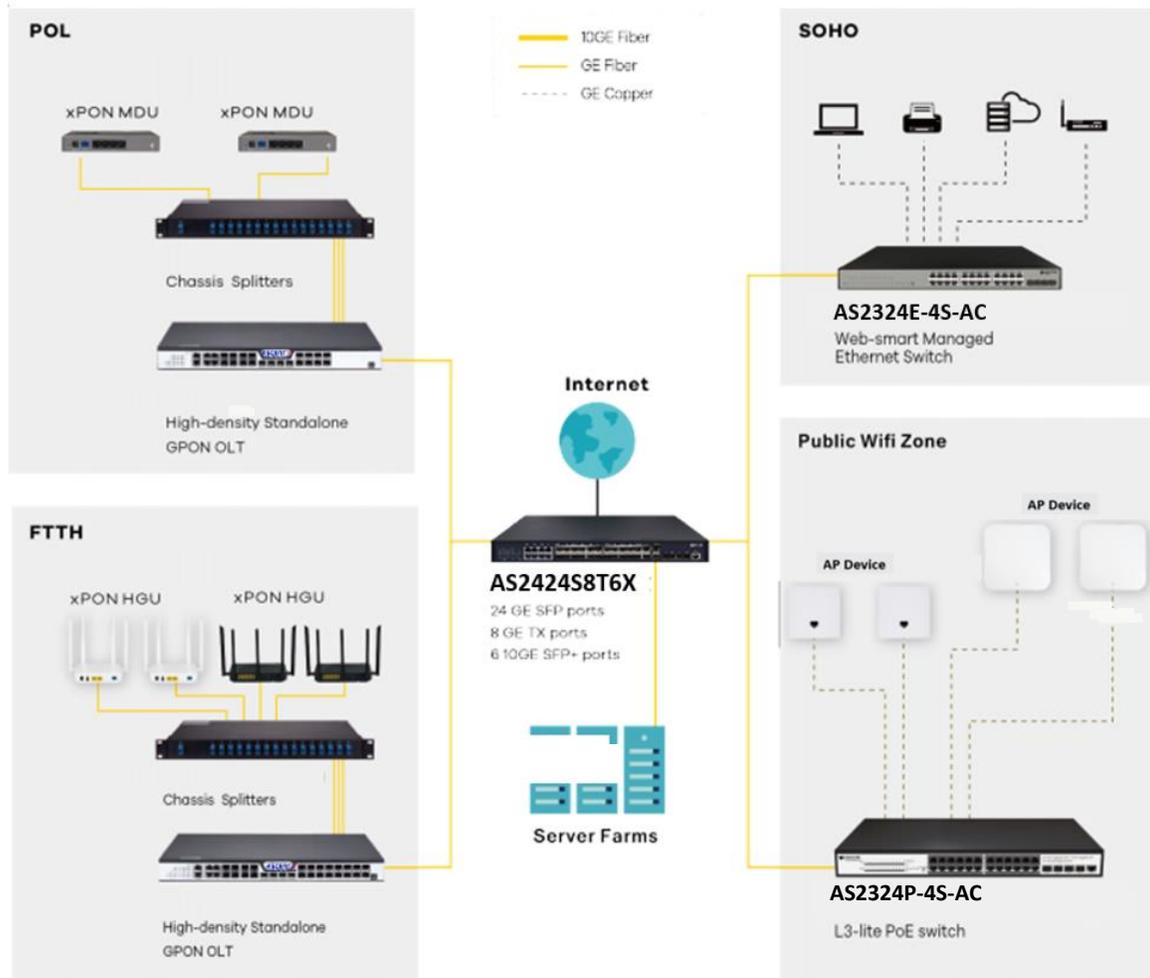
- 24-Port Gigabit PoE+
- 4-Port Gigabit SFP

AS2324P-4C-AC



- 24-Port Gigabit PoE+
- 4-Port Gigabit RJ45/SFP combo

Application Diagram



Specifications

Product Characteristics

Item	Unit	AS2308P-2S-AC	AS2316P-4S-AC	AS2324P-4S-AC	AS2324P-4C-AC
Interface		8-Port Gigabit PoE+, 2-Port Gigabit SFP	16-Port Gigabit PoE+ 4-Port Gigabit SFP	24-Port Gigabit PoE+, 4-Port Gigabit SFP	24-Port Gigabit PoE+, 4-Port Gigabit RJ45/SFP combo
Console		1 RJ45 port, 1 RST button	1 RJ45 port, 1 RST button	1 RJ45 port, 1 RST button	1 RJ45 port, 1 RST button
Backplane	Gbps	20	56	56	56
Forwarding Rate	Mpps	15	30	42	42
Chassis					
Dimensions(WxDxH)	mm	280 x 180 x 44	440 x 280 x 44	440 x 210 x 44	440 x 210 x 44
Weight (Empty)	kg	1.6	2.9	2.2	3
Package					
Dimensions(WxDxH)	mm	346 x 289 x 92	555 x 295 x 88	555 x 295 x 88	555 x 295 x 88
Weight	kg	2.4	3.6	3.3	4.1
Power Consumption					
No-Load	W	<7	<15	<17	<17
Full-Load	W	152.5	260	393.5	393.5
Power Supply					
AC: 100V-240V, 50/60Hz	W	160	270	400	400
POE Power Budget		140	240	370	370
Total Output BTU (1000BTU/H=293W)		520.47	880	1365.19	1365.19
Fan Number		1	2	2	2
Noise@25(dBA)	°C	33	45	45	45
MTBF	H	>200,000	>200,000	>200,000	>200,000
Forwarding Mode		Store-forward	Store-forward	Store-forward	Store-forward
Flash	MB	16	16	16	16
DRAM	MB	128	128	128	128
MAC	K	8	8	8	8
Buffer Size	MB	4.1	4.1	4.1	4.1
Jumbo Frame	K	9	9	9	9
Total SVI		10	10	10	10

Features

Item	Description
VLAN	4K Active VLAN QinQ & Selective QinQ GVRP, Private VLAN Voice VLAN
Spanning Tree	802.1D(STP) 802.1W(RSTP)and 802.1S(MSTP) BPDU guard, root guard and loopback guard
Multicast	IGMP v1/2/3 IGMP Snooping IGMP Fast Leave IGMP Filter MVR

Item	Description
IP	Static route RIP, OSPF 128 routing table IPv4/v6 dual stack
IPv6	DHCP Server/Client/Relay ICMPv6, DHCPv6 and IPv6 Telnet IPv6 Neighbor Discovery MLD v1/v2 MLD Snooping
QoS	CAR, HQoS, MAC/IP/TCP/UDP/ VLAN/ COS/ DSCP/TOS based QoS, 802.1P/DSCP priority relabeling, SP,WRR, and “SP+WRR”, Tail-Drop, WRED, flow monitoring and traffic shaping
Security	Port isolation, Port security, and “IP+MAC+port” binding, MAC sticky DHCP Snooping and option 82, DAI& IP source guard, PPPoE+, IEEE 802.1x, Radius and BDTacacs+ L2/L3/L4 ACL flow identification and filtration Anti-attack from DDoS, TCP’s SYN Flood, UDP Flood, etc Broadcast/multicast/unknown unicast storm-control
Reliability	Md5, SHA-256, RSA-1024, AES256, etc Static/LACP link aggregation, Interface backup EAPS and ERPS ISSU
Management	Console, Telnet,SSH v1/2,HTTP, HTTPS, SNMP v1/v2/v3, RMON TFTP, FTP, SFTP NTP ZTP(Zero Touch Provisioning) SPAN, RSPAN Syslog
Accessories	Power cord, rackmount kits, console cable, anti-slipping pad
Environment	Operating temperature/humidity: -10°C to 50°C, 10% to 90% non condensing Storage temperature/humidity: -20°C to 70°C, 5% to 90% non-condensing
Certification	CE, FCC,ROHS

Ordering Information

Product Name	Product Description
AS2308P-2S-AC	8-Port Gigabit PoE+ 2-Port Gigabit SFP L3-lite Managed PoE Switch (AC 220V power supply, 140W PoE budget, fanless, 1U, desktop/rack-mounted installation)
AS2316P-4S-AC	16-port Gigabit PoE+ 4-port Gigabit SFP L3-lite PoE Switch (standard AC 220V power supply; 240W PoE budget, fan cooling, 1U, 19-inch rack- mounted installation)
AS2324P-4S-AC	24-Port Gigabit PoE+ 4-Port Gigabit SFP L3-lite Managed Switch (single AC 220V power supply, 370W PoE budget, fanless , 1U, standard 19-inch rack-mounted installation)
AS2324P-4C-AC	24-Port Gigabit PoE+ 4-Port Gigabit RJ45/SFP Combo L3-lite Managed Switch (single AC 220V power supply, 370W PoE budget, with cooling fan, 1U, standard 19-inch rack-mounted installation)

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