

Multiservice Gigabit Ethernet Switch



AS2300 Series

- **The carrier-level Ethernet ring protection protocol**
- **Advanced In-Service Software Up-grade (ISSU)**
- **Flexible bandwidth control policies**
- **Equipment-level security**
- **Supports many management modes such as the CLI, Telnet, SSH, SSL and SNMP**

ACT AS2300 series Optical Fiber Gigabit Ethernet 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 non-POE and POE versions with two base models each: AS2308, AS2324. 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.

AS2300 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. AS2300 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 AS2300 can provide the perfect end-to-end FTTX 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 the IPv6 protocol suite, IPv6 neighbor discovery, ICMPv6 and Path MTU discovery
- 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

AS2308E-2S-AC



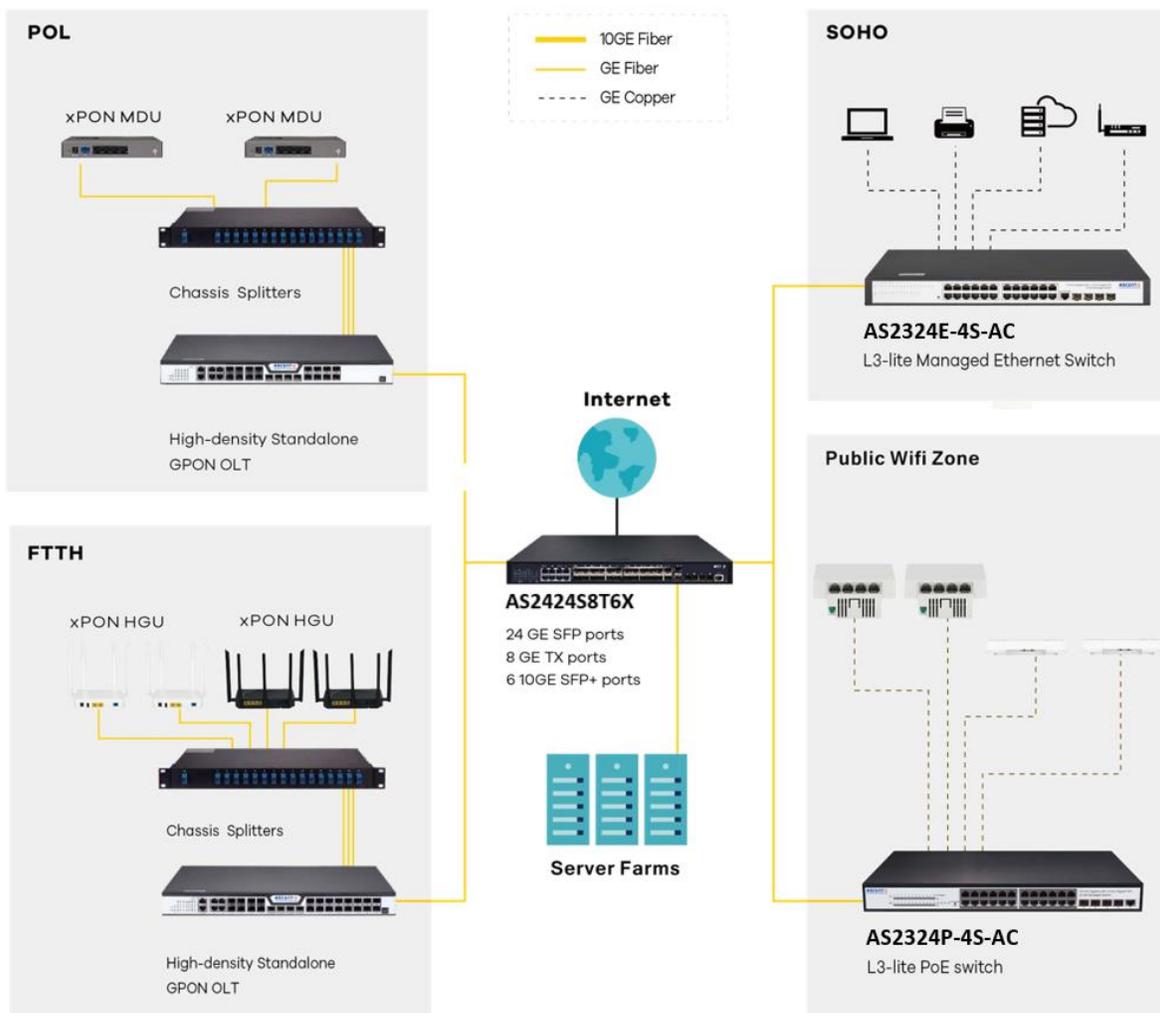
- 8-Port Gigabit RJ45
- 2-Port Gigabit SFP

AS2324E-4S-AC



- 24-Port Gigabit RJ45
- 4-Port Gigabit SFP

Application Diagram



Specifications

Product Characteristics

Item	Unit	AS2308E-2S-AC	AS2324E-4S-AC
Interface		8-Port Gigabit RJ45 2-Port Gigabit SFP	24-Port Gigabit RJ45 4-Port Gigabit SFP
Console		1 RJ45 port, 1 RST button	1 RJ45 port, 1 RST button
Backplane	Gbps	20	56
Forwarding Rate	Mpps	15	42
Chassis			
Dimensions(WxDxH)	mm	280 x 180 x 44	440 x 210 x 44
Weight (Empty)	kg	1.55	2
Package			
Dimensions(WxDxH)	mm	346 x 289 x 92	555 x 295 x 88
Weight	kg	2.55	3
Power Consumption			
No-Load	W	<3	<7
Full-Load	W	10	20
Power Supply			
AC: 100V-240V, 50Hz±10%	W	15	25
Total Output BTU (1000BTU/H=293W)		51.19	85.32
Fan Number		No	No
Noise@25(dBA)	°C	0	0
MTBF	H	>200,000	>200,000
Forwarding Mode		Store-forward	Store-forward
Flash	MB	16	16
DRAM	MB	128	128
MAC	K	8	8
Buffer Size	MB	4.1	4.1
Jumbo Frame	K	9	9
Total SVI		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
IP	MVR Static route RIP, OSPF 128 routing table IPv4/v6 dual stack DHCP Server/Client/Relay

Item	Description
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 Md5, SHA-256, RSA-1024, AES256, etc
Reliability	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
Accessories	Power cord, rackmount kits, console cable, anti-slipping pad
Environment	Operating temperature/humidity: -0°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
AS2308E-2S-AC	8-Port Gigabit RJ45 + 2-Port Gigabit SFP L3-lite Managed Switch (single AC-220V power supply; fanless, 1U, desktop or rack-mounted installation)
AS2324E-4S-AC	24-Port Gigabit RJ45 + 4-Port Gigabit SFP L3-lite Managed Switch (single AC-220V power supply; fanless, 1U, standard 19-inch rack-mounted installation)

Contact Information



Ascent Communication Technology Ltd

AUSTRALIA

140 William Street, Melbourne
Victoria 3000, AUSTRALIA
Phone: +61-3-8691 2902

Hong Kong SAR

Room 1210, 12th Floor, Wing Tuck Commercial Centre
181 Wing Lok Street, Sheung Wan , Hong Kong SAR
Phone: +852-2851 4722

CHINA

Unit 1933, 600 Luban Road
200023, Shanghai, CHINA
Phone: +86-21-60232616

USA

2710 Thomes Ave
Cheyenne, WY 82001, USA
Phone: +1 203 350 9822

EUROPE

Pfarrer-Bensheimer-Strasse 7a
55129 Mainz, GERMANY
Phone: +49 (0) 6136 926 3246

VIETNAM

11th Floor, Hoa Binh Office Tower
106 Hoang Quoc Viet Street, Nghia Do Ward
Cau Giay District, Hanoi 10649, VIETNAM
Phone: +84-24-37955917

WEB: www.ascentcomtec.com

EMAIL: sales@ascentcomtec.com

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