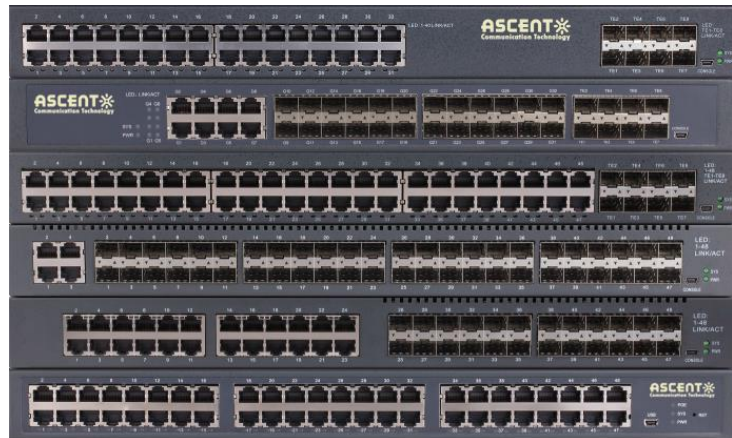


Multiservice 24x 10GE SFP+ Switch

AS3200 Series

- Up to 48 gigabit ports
- Up to 8 10GE ports
- Supports 32K MAC
- Virtual switch system
- Easy management
- Carrier-class reliability
- Supports layer-2 and layer-3 routing protocols
- Equipment-level security



ACT AS3200 Series Optical Fiber 10GE Switch is a high-performance switch which provides 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.

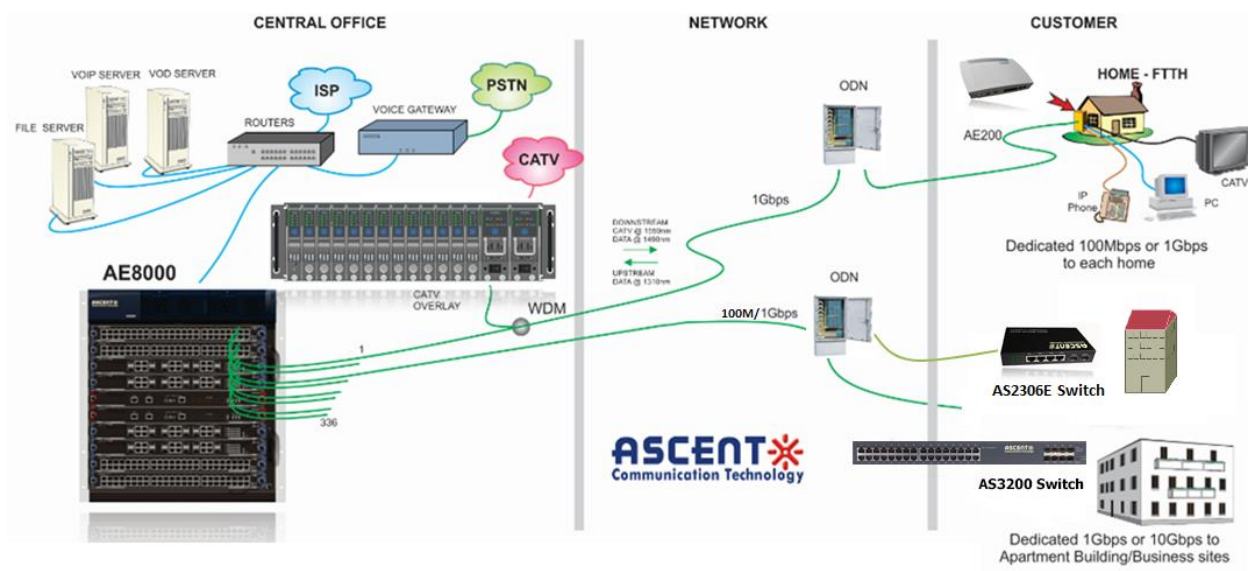
AS3200 series supports up to 48 gigabit ports and 8 10GE ports in a variety of configurations to meet your needs. The platform provides high-density ports with flexible configuration options and a user-friendly interface to allow operators to quickly and easily expand their existing networks and services.

AS3200 series 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 AS3200 can provide the perfect end-to-end FTTX solution in offering advanced video, voice, and data services.

Key Features

- Supports up to 48 gigabit ports
- Supports up to 8 × 10GE ports
- Supports 32K MAC
- Supports STP/RSTP/MSTP protocols, VRRP protocol, Ethernet ring protection, dual master-slave uplink protection, and LACP link aggregation
- Supports ISSU (In-Service Software Upgrade)
- Supports an ultra-high BFD dual-directional link detection mechanism
- Supports Ethernet OAM mechanism, 802.3ah, 802.1ag, and ITU-Y.1731
- Supports layer-2 and layer-3 routing protocols
- Supports IPv6 protocol suite, IPv6 neighbor discovery, ICMPv6, path MTU discovery, DHCPv6, etc.
- Intelligent power supply management system
- Intelligent fan management system
- Complies with IEEE 802.3az

Application Diagram



Specifications

Item	AS3232E	AS3232S	AS3248E	AS3248S
Interface	32× GE TX ports 8× 10GE/GE SFP+ ports	24× GE SFP ports 8× GE TX ports 8× 10GE/GE SFP+ ports	48× GE TX ports 8× 10GE/GE SFP+ ports	44× GE SFP ports 4× GE TX/SFP combo ports 8× 10GE/GE SFP+ ports
Console	1× mini USB port	1× mini USB port	1× mini USB port	1× mini USB port
Backplane	176 Gbps	176 Gbps	176 Gbps	176 Gbps
Forwarding Rate	132 Mpps	132 Mpps	132 Mpps	132 Mpps
Chassis Dimensions (mm)	440 × 350 × 44	440 × 350 × 44	440 × 350 × 44	440 × 350 × 44
Chassis Weight	5.3 kg	5.5 kg	6 kg	6 kg
Package Dimensions (mm)	576 × 448 × 94	576 × 448 × 94	576 × 448 × 94	576 × 448 × 94
Package Weight	6.5 kg	6.7 kg	7.2 kg	7.6 kg
Power Consumption	No-load: <32 W Full-load: 58 W	No-load: <32 W Full-load: 64 W	No-load: <33 W Full-load: 64 W	No-load: <38 W Full-load: 69 W
Power Supply (hot-swap)	75 W	75 W	150 W	150 W
AC: 100 V to 240 V, 50 Hz ± 10 %				
Total Output BTU (1000 BTU/hr = 293 W)	255.97	255.97	511.94	511.94
Fan Number	2	2	2	3
Noise @ 25 °C	45 dBA	45 dBA	45 dBA	45 dBA
MTBF	>100,000 hr	>100,000 hr	>100,000 hr	>100,000 hr
Forwarding Mode	Store-forward	Store-forward	Store-forward	Store-forward
Flash	32 MB	32 MB	32 MB	32 MB
DRAM	512 MB	512 MB	512 MB	512 MB
MAC	32K	32K	32K	32K
Buffer Size	3 MB	3 MB	3 MB	3 MB
Jumbo Frame	9K	9K	9K	9K
Routing Table	IPv4: 32K IPv6: 8K	IPv4: 32K IPv6: 8K	IPv4: 32K IPv6: 8K	IPv4: 32K IPv6: 8K
ARP Tables	IPv4: 10K IPv6: 5K	IPv4: 10K IPv6: 5K	IPv4: 10K IPv6: 5K	IPv4: 10K IPv6: 5K
Total SVI	1K	1K	1K	1K

Features

VLAN	4K Active VLAN, QinQ & Selective QinQ, GVRP, Voice-VLAN
Spanning Tree	802.1D (STP), 802.1W (RSTP) and 802.1S (MSTP) BPDU guard, root guard, and loopback guard
Multicast	PIM-SM, PIM-DM, IGMP v1/v2/v3 IGMP Snooping, IGMP Fast Leave, MVR, IGMP filter
IPv4	Static routing, RIP v1/v2, OSPF, BGP, PBR, ECMP

IPv6	BFD for OSPF, BGP
	ICMPv6, DHCPv6, ACLv6 and IPv6 Telnet
	IPv6 neighbor discovery, Path MTU discovery
	MLD V1/V2, MLD snooping
	IPv6 Static Routing, RIPng, OSPFv3, BGP4+
MPLS	Manual tunnel, ISATAP tunnel, 6 to 4 tunnels
	LDP protocol, Multi-VRF
	MPLS L2 VPN
QoS	CAR, HQoS, MAC/IP/TCP/UDP/VLAN/ COS/DSCP/TOS based QoS, 802.1P/ DSCP priority re-labeling, SP, WRR, and “SP+WRR”, Tail-Drop, WRED, flow monitoring and traffic shaping
Management	Console, Telnet, SSH v1/2, HTTP, HTTPS
	SNMP v1/v2/v3, RMON
	TFTP, FTP, SFTP
	NTP, SPAN, RSPAN
	sFlow
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 TACACS+
	L2/L3/L4 ACL flow identification and filtration
	Anti-attack from DDoS, TCP’s SYN Flood, UDP Flood, etc.
Reliability	Broadcast/multicast/unknown unicast storm-control
	MD5, SHA-256, RSA-1024, AES256, etc.
	Static/LACP link aggregation,
	Interface backup
	Virtual switch system virtual-stacking
	EAPS and ERPS
	URPF, LLDP
	ISSU
Certifications	VRRP
	1+1 power backup
	CE, FCC, RoHS

Ordering Information

Product Name	Product Description
AS3232E-8U-AC	AS3232E, Routing switch with 32 gigabit TX ports and 8 × 10G SFP+ ports
AS3232S-8U-AC	AS3232S, Routing switch with 24 gigabit SFP ports, 8 × gigabit TX and 8 10G SFP+ ports
AS3248E-8U-AC	AS3248E, Routing switch with 48 gigabit TX ports and 8 × 10G SFP+ ports
AS3248S-8U-AC	AS3248S, Routing switch with 44 gigabit SFP ports, 4 × GE combo and 8 × 10G SFP+ ports

Contact Information



Ascent Communication Technology Ltd

AUSTRALIA

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

CHINA

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

EUROPE

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

HONG KONG SAR

Unit 9, 12th Floor, Wing Tuck Commercial Centre
177 Wing Lok Street, Sheung Wan, HONG KONG
Phone: +852-2851 4722

USA

2710 Thomes Ave
Cheyenne, WY 82001, USA
Phone: +1-203 816 5188

VIETNAM

15 /F TTC Building, Duy Tan Street
Cau Giay Dist., Hanoi, VIETNAM
Phone: +84 243 795 5917

WEB: www.ascentcomtec.com

EMAIL: sales@ascentcomtec.com

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