

10 Gigabit Layer 3 Switches

AS3200G Series

- L3 Routing Switch
- Support 48 x GbE + 4 x 10G uplink ports
- POE TX port optional
- Dual PS
- Layer-2 or layer-3 multicast
- ISSU (In-Service Software Upgrade)
- BFD for OSPF and BGP
- Ethernet OAM
- High reliability



ACT 1RU AS3200G Economical 10G Layer 3 Switch Platform is a series of new generation 10G aggregation switches, which is suitable for IP MANs (Metropolitan Area Network), campus networks and enterprise networks. It supports multiple services like IPv6, MPLS, VPN and network security based on L3 wire-speed switching services, with the powerful aggregation or access layer for the Gigabit Ethernet communication and also P2P services in Fiber to The Home/Business (FTTH & FTTB) networks.

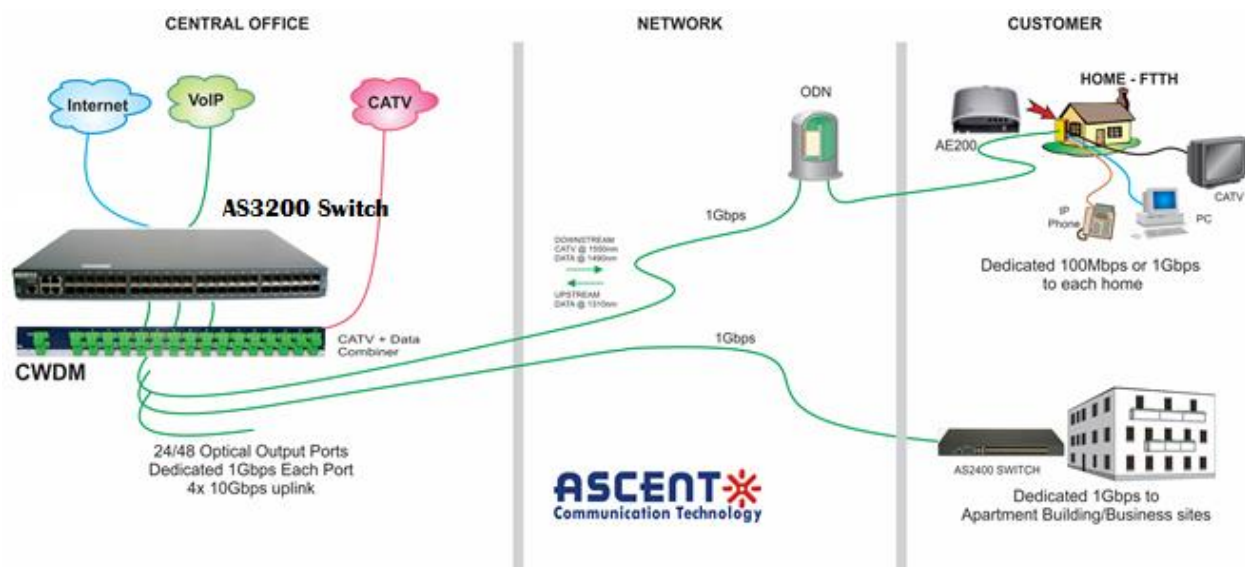
AS3200G series supports up to 48 Gigabit ports and a maximum of 4 10G ports which fit into the standard 19 inch rack with only 1RU height. The platform provides high density ports with flexible configuration options through user friendly interface to allow operators to expand the existing networks and services quickly. It also supports nonstop upgrades, continuous forwarding, graceful restarting and redundancy protection.

AS3200G series offers robust switching capabilities, and seamless cooperate with ACT routing and switching products. Combined with ACT Video Overlay package, the AS3200G can provide perfect end-to-end FTTX solution in offering advanced Video, Voice, and Data services.

Key Features

- High performance L2/L3 switching with IPv6 support
- Able to virtualize multiple physical devices into one in logic
- Allows multiple physical devices to share one management IP address
- Up to 48 Gb + 4 10G Uplink
- 16K MAC address filtering
- ISSU (In-Service Software Upgrade)
- BFD for OSPF and BGP, Ethernet OAM
- Layer-3 routing such as OSPF and BGP
- Layer-2 or layer-3 multicasting
- MPLS VPN, SDN
- Enhanced reliability
- Improved link path usage
- Advanced routing and switching features
- Low power consumption to save on maintenance and service costs

Application Diagram



Specifications

AS3200G Series Layer-3 10G Routing Switches

Item	Description
Ports	AS3224GE: 24 Gigabit TX ports + 4 10G optical ports
	AS3248GE: 48 Gigabit TX ports +4 10G optical ports
	AS3224GS: 24 Gigabit optical ports +4 combo Gigabit TX ports +4 10G optical ports
Power	AC: 100 V ~ 240 V, 50 Hz \pm 10%, DC: -36 V ~ -72 V Dual power supplies (optional)
MAC exchange	16K
Environment	Operating temperature/humidity: 0°C ~ 50°C; 10% ~ 90% non-condensing Storage temperature/humidity: -20°C ~ 70°C; 5% ~ 95% non-condensing
VLAN/STP	4K VLAN
	GVRP
	1:1 VLAN mapping and N:1 VLAN mapping
	QinQ and flexible QinQ
	PVLAN
Multicast	802.1D (STP), 802.1W (RSTP) and 802.1S (MSTP)
	BPDU protection, root protection, and loopback protection
	IGMP v1/v2/v3
	IGMP Snooping
	IGMP Fast Leave
	Multicast flow copying over VLANs
IPv4	PIM-SM and PIM-DM
	Static routing, RIP v1/v2, OSPF, BGP
	Strategy routing
	Load balance by equivalent routing
IPv6	BFD for OSPF, BGP
	ICMPv6, DHCPv6, ACLv6 and IPv6 Telnet
	IPv6 neighbor discovery
	Path MTU discovery
	MLD V1/V2
	IGMP snooping
	IPv6 Static Routing, RIPng, OSPFv3, BGP4+
	Manual tunnel, ISATAP tunnel, 6to4 tunnel
MPLS VPN	MCE P/PE of MPLS VPN
QoS	Flow classification based on L2/L3/L4 protocols
	802.1P/DSCP priority relabeling
	SP, WRR, and "SP+WRR"
Security	Congestion avoidance mechanisms like Tail-Drop and WRED
	L3 ACL flow identification and filtration

	DDoS attack prevention, TCP's SYN Flood attack prevention, UDP Flood attack prevention, etc.
	Broadcast/multicast/unknown unicast storm-control
	Port isolation
	Port security and "IP+MAC+port" binding
	DHCP snooping and DHCP option 82
	IEEE 802.1x authentication
	Radius BDTacacs+ authentication
	URPF
Reliability	1+1 power backup
	Static/LACP link aggregation
	EAPS/ERPS
	BFD for OSPF,BGP
	ISSU uninterrupted system upgrade
Management	Console, Telnet, SSH 2.0, WEB
	SNMP v1/v2/v3

Ordering Information

Product name	Product description
AS3224GE-4U-AC	24x10/100/1000Base-T Ethernet ports, 4x10GE SFP+ ports, AC power supply
AS3248GE-4U-AC	48x10/100/1000Base-T Ethernet ports, 4x10GE SFP+ ports, AC power supply
AS3224GS-4U-AC	24xGE SFP ports, 4x10/100/1000Base-T ports (Combo), 4x10GE SFP+ ports, AC power supply

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