AX6300S Series





without concern about address overlaps.

GSRP and Graceful Restarts.

High Reliability and High Availability

■Highly stable operation with fault-tolerant technology

© Ensures simple, dynamic redundancy with architectures

featuring a highest level of device availability, together with

O Capable of switching between normal power mode and low power consumption mode that suppresses switching performance.

Cost-Effective System Configuration

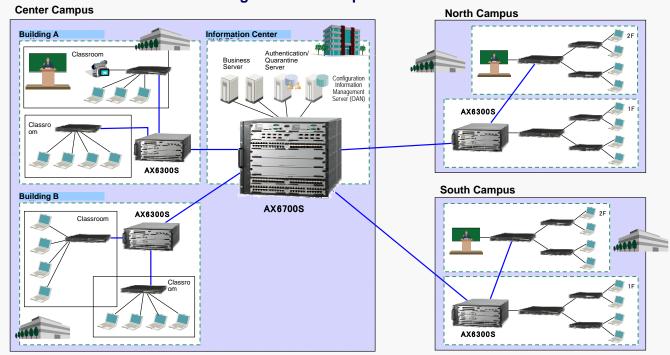
- accommodation of 1-gigabit and 10-gigabit lines with switching capacity of up to 192 Gbps.
- 10 G Ethernet: accommodates up to 64 ports (AX6308S).
- 1 G Ethernet: accommodates up to 192 ports (AX6308S).

Lower Operation Management Costs

- ■Simplified network configuration/operation with OAN
- O Enables automatic operation in cooperation with security checks, and reduces the cost of operation management with ALAXALA proprietary OAN (open autonomic networking) concept.
- Simplified maintenance
- OSimplifies and reduces the time for maintenance with commandfree maintenance to easily back up configurations and collect information on faults.

AX6300S Application Example

·Configuration of Campus Network·····



AX6300S Product Specifications

Model			AX6304S		AX6308S	
Performance	Maximum switching capacity		96Gbps		192Gbps	
	Maximum packet forwarding performance		60M	lpps	120Mpps	
Port count	10GBASE-R	XFP(SR/LR/ER/ZR)	3	2	64	1
	1000BASE-X	SFP(SX/SX2 /LX/BX/LH/LHB)	9	6	19	2
	10/100/1000BASE-T		9	6	19	2
Routing protocol	IPv4 Unicast Multicast		Static, RIP, RIPv2, OSPF, BGP4, policy routing, stub router (OSPF) PIM-SM, PIM-SSM, IGMPv2/v3			
	IPv6	Unicast	Static, RIPng, OSPFv3, BGP4+, policy routing, stub router (OSPFv3)			
		Multicast	PIM-SM, PIM-SSM, MLDv1/v2			
Layer 2 functions	VLAN		Port VLAN, Tag-VLAN (IEEE 802.1Q), protocol VLAN, MAC VLAN, Tag translation			
	Spanning tree protocol (STP)		STP (IEEE 802.1D), RSTP (IEEE 802.1w), PVST+, MSTP (IEEE 802.1s), loop guard, edge port, route guard, BPDU guard			
	Layer 3 cooperation functions		IGMPv2/v3 snooping, MLDv1/v2 snooping			
	Ring protocol		Autonomous Extensible Ring Protocol			
Network functions	Security functions		IEEE 802.1X authentication (port-based authentication/VLAN-based authentication/MAC-based authentication, MAC VLAN cooperation), authentication VLAN, Web authentication, filter (L2/IPv4/IPv6/L4), MAC authentication (fixed VLAN mode)			
	QoS		Flow detection (L2/IPv4/IPv6/L4), bandwidth monitoring (UPC), marking (DSCP/user priority), discarding control (tail drop), Shaping, Diff-serv, Hierarchical Shaper			
	Reliability/operability improvement functions		Load balance (IPv4/IPv6), VRRP(IPv4/IPv6), static polling (IPv4/IPv6), VRRP polling (IPv4/IPv6), Link aggregation (IEEE 802.3ad), jumbo frame, GSRP (L2/IPv4/IPv6), high-speed route switching function, Graceful Restart functions (BGP4, BGP4+, OSPF, OSPFv3), uRPF (loose/strict), storm control, IEEE802.3ah/UDLD, GSRP aware extended function, high-speed system switching function, L2 loop detection, network partition			
	L2-VPN		VLAN tunneling			
Operation management functions			SNMPv1/v2/v3 (agent function), MIB II , IPv6 MIB, RMON, syslog, ping, traceroute, SSHv1/v2 ^{#1} , telnet, ftp, NTP, IPv4 DHCP relay, IPv4 DHCP server, Prefix Delegation, RADIUS (IPv4/IPv6), sFlow, port mirroring, TACACS+, ON-API, AX-Config-Master, command line interface			
Power saving function	Static power saving	g functions	Power control of MSU/NIF (reboot required), NIF/port power supply OFF			
Redundancy			Power Supply, MSU (Management and Switching Unit)			
Equipment conditions	Input voltage		AC100 to 120V/200 to 240V	DC-48V	AC100 to 120V/200 to 240V	DC-48V
	Maximum input current (A)		16@100VAC 8@200VAC	32@-48VDC	25@100VAC 12.5@200VAC	50@-48VDC
	Maximum power consumption (W)		1,500		2,400	
	Maximum calorific value (kJ/h)		5,400		8,640	
	Outer dimensions W x D x H (mm)		443 x 544 x 211 (5U)	443 x 573 x 211 (5U)	443 x 544 x 303 (7U)	443 x 573 x 303 (7U)
	Weight (kg) (at maximum load)		45 64			1

#1: SSH function is subject to export control regulations, and may be excluded when exported.

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For your safety, please be sure to read the Hardware Instruction Manual and the Safety Guide beforehand.

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Caution