AGNIGATE

AGNIGATE S6032Z-2SP DATA SHEET

Next-Generation High Performance Data Center Switch with 32*100G QSFP28

Multi-Chassis Link Aggregation (MLAG) | Packet Throughput 9.52 Gpps



FEATURE HIGHLIGHTS

- 6.4 Tbps Switching Capacity
- 9.52 Gpps Wire-Speed Forwarding
- 32 × 40/100G QSFP28 Ports
- Dual Hot-Swappable 550W CRPS
- EVPN-VXLAN, MLAG & MPLS Ready

Built for high-density data center, enterprise core and multi-service network deployments.

AGNIGATE S6032Z-2SP Core Switch

Next-Generation High Performance Data Center Switch with 32*100G QSFP28



6.4 Tbps	9.52 Gpps	32*40/100G	2 x PSU
SWITCHING CAPACITY	WIRE-SPEED FORWARDING	QSFP28 UP/DOWN LINKS	550W CRPS

Product Overview & System Architecture

The AgniGate S6032Z-2SP is a high-speed, line-rate 32*40/100G data center switch built on an enterprise-grade hardware platform. Optimized for extreme low-latency and minimal jitter, the switch provides a powerful Layer 3 core and routing solution for next-generation enterprise networks, edge computing infrastructures, hyper-converged architectures (HCI), and multi-service Metropolitan Area Networks (MAN).

Driven by the commercially proven, highly modularized AGNIOS unified software architecture, this platform explicitly pairs high-density hardware capabilities with full Metropolitan Area Network MPLS software licenses and High-Availability Stacking (ST) features. This deployment-ready configuration yields an enterprise platform supporting dense 40/100G access, robust 40/100G core uplinks, resilient cloud orchestration, and connection-oriented multi-service network slicing.

Interface Density & Physical Port Specifications

Downlink Ethernet Ports	32 × 40/100G QSFP28 transceiver ports for high-capacity server farm spine switch
Management Console	1 × RJ45-to-RS232 connection for local out-of-band serial administrative access.
Out-of-Band Management	1 × Dedicated 1G RJ45 Ethernet port isolated for secure out-of-band network management.
Auxiliary Interface	1 × USB Type-A storage port for firmware upgrades and configuration backup.

Environmental, Power & Physical Characteristics

System Parameter / Subsystem	Technical Specification
Switching Capacity	6.4 Tbps
Layer 2/3 Packet Throughput	9.52 Gpps
RAM Options	16GB (Default) or 32GB (Optional)
Flash / SSD Options	64 GB (Default) or 128GB (Optional)
Packet Buffer Allocation	36 MB integrated on-chip system packet buffer
Power Supply Architecture	Dual Hot-swappable 550W CRPS Modules (1+1 Redundancy, AC/DC options)
Cooling Subsystem	4 × Hot-swappable Fan Modules (Active Front-to-Back Airflow / AFO)
Maximum Total Airflow Cooling	101.96 CFM
Typical Power Consumption	180.4 Watts
Physical Dimensions (W x H x D)	Unpackaged: 44.2 × 4.4 × 42.0 cm
Physical Dimensions (W x H x D)	Packaged: 66.5 × 15.0 × 56.5 cm
Switch Weight	Net Weight: 9.2 kg | Gross Weight (With Packaged Elements): 11 kg
Environmental Operating Ranges	Temperature: 0°C to 45°C | Humidity: 10% to 95% RH (Non-condensing)
Environmental Storage Ranges	Temperature: -40°C to 70°C | Humidity: 10% to 95% RH (Non-condensing)
Maximum Operating Altitude	5,000 Meters (0 ~ 5 km)
Mean Time Between Failures (MTBF)	≥ 1,00,000 Hours (~11.4 Years) with Swappable CRPS & Fans
Thermal Monitoring	Hardware Temperature Warning Sensor Alarm Threshold at 50°C

Key Series Architectural Highlights

Carrier MPLS Integration
Label-switching integrates IP flexibility and connection-oriented reliability, enabling isolated multi-service bearing and precise traffic scheduling.

Multi-Chassis Link Aggregation (MLAG)
Builds an Active-Active resilient system to improve link and device level reliability from single board grade to multi-chassis cluster grade.

EVPN & VxLAN Virtualization
Implements VxLAN and BGP protocols to build multi-tenant scalable EVPN overlays across distributed enterprise data centers.

Hardware MACsec Encryption
Point-to-point line-rate data link encryption (IEEE 802.1AE) protecting mission-critical switch-to-switch links against unauthorized wire interception.

Precision Timing Protocol.
Implements PTP used to synchronize clock times across devices on a local or packet-based network with sub-microsecond or nanosecond-level accuracy.

100G Data Center Switch
High Performance Data Center Switch with 32*100G QSFP28, Dual Power Supply Modules, 4 hot-swappable Fan modules and 16 or 32 GB RAM.

AGNIOS Comprehensive Software Feature Matrix

Feature Type	Sub-Type	Protocol / Function	Operational Capability Description
Ethernet basic features	Ethernet	**Interface**	Ethernet interface operating modes (full duplex, half duplex, and auto-negotiation)
			Ethernet interface operating rates
			Jumbo Frame
			port-xconnect
		Flow-control	Flow-control tx/rx
		storm-control	Port based storm-control
			VLAN based storm-control
		Port-block	Port-block(know/unknown unicast; know/unknown multicast/broadcast)
		Port-isolate	L2/L3/All Port-isolate
			Uni-direction isolate
		L2 Protocol Tunnel	L2 Protocol Tunnel(support CFM/DOT1X/SLOW-PROTO/STP
		Forward mode	Store-and-forward
			Cut-through
	VLAN	**VLAN Access mode**	Access/Trunk
			Default VLAN
		VLAN Classification	VLAN Classification(port based/mac based/IP based/protocol based)
		QinQ	Basic QinQ
			Selective QinQ
			VLAN Mapping(1:1 VLAN Translation)
		VLAN Statistics	VLAN Statistics
		Private VLAN	Private VLAN
		Voice VLAN	Voice VLAN
		Guest VLAN	Guest VLAN
		GVRP	GVRP
	MAC	**MAC Address Table**	Automatic learning and aging of MAC addresses
			Hardware Learning
			Static and dynamic MAC address entries
			Blackhole MAC
		MAC Flapping detect	MAC Flapping detect
		Port Bridge	Port Bridge
	LAG	**Link aggregation**	Static-LAG & LACP
			LAG load balance(SLB)
			LAG load balance(DLB)
			LAG load balance(RR)
			LAG Self-healing
			Link aggregation weighting
Ethernet Ring protection features	xSTP	**STP**	Spanning-Tree Protocol
		RSTP	Rapid Spanning-Tree Protocol
		MSTP	Multi-instance Spanning-Tree Protocol
		Spanning-Tree Protocol Protection	BPDU Filter/Guard
			Root Guard
	xSTP	**Spanning-Tree Protocol Protection**	Loop Guard
			Anti TC-BPDU attack

Feature Type	Sub-Type	Protocol / Function	Operational Capability Description
Ethernet Ring protection features	ERPS	**ERPS**	Single ERPS ring
			tangent ERPS rings
			intersecting ERPS rings
			compatible with RRPP
	Loop back Detect	**Loop back Detect**	Loop back detection
Layer2 Multicast	Layer2 Multicast	**IGMP Snooping**	IGMPv1/v2/v3 Snooping
			Fast leave
			Static IGMP snooping group
		MVR	MVR(Multicast VLAN Registration)
IPv4 Forwarding	ARP	**ARP**	Static and dynamic ARP entries
			Aging of ARP entries
			Gratuitous ARP
		ARP proxy	basic ARP-Proxy
			local ARP-Proxy
	IPv4 Unicast Routing	**IPv4 Static Routes**	IPv4 Static Routes
			Black hole Routes
			co-work with IP SLA
			VRF(Virtual Routing and Forwarding)
			uRPF check
		RIP	RIPv1/v2
		OSPFv2	OSPFv2
		IS-IS	IS-IS
		BGP	IBGP
			EBGP
		Route policy	Route-map
			IPv4 prefix-list
		PBR	PBR(Policy-based Routing)
		ICMP	ICMP redirect
			ICMP unreachable
		ECMP	ECMP(SLB)
			ECMP(DLB)
			ECMP(RR)
			ECMP Self-healing
	IPv4 Multicast Routing	**IGMP**	IGMPv1/v2/v3
			IGMP-Proxy
			IGMP SSM Mapping
		PIM	PIM-SM
			PIM-SSM
			PIM-DM
IPv6 Forwarding	IPv6 Basic Protocol	**ICMPv6**	ICMPv6
		NDP	NDP
	IPv6 Unicast Routing	**IPv6 Static Routes**	IPv6 Static Routes
		RIPng	RIPng
		OSPFv3	OSPFv3
		IS-IS	IS-IS
		BGP4+	BGP4+
	IPv6 Multicast Routing IPv6 Multicast Routing	**MLD v1/v2**	MLD v1/v2
		MLD v1/v2 Snooping	MLD v1/v2 Snooping
		MVR6	MVR6
		PIM-SM v6	PIM-SM v6

Feature Type	Sub-Type	Protocol / Function	Operational Capability Description
IPv6 Forwarding	IP Tunnel	**IPv6 over IPv4 Tunnel**	IPv6 over IPv4 Tunnel
		6to4 Tunnel	6to4 Tunnel
		ISATAP Tunnel	ISATAP Tunnel
	IPv6 Service	**DHCPv6**	DHCPv6 Server
			DHCPv6 Relay
			DHCPv6 Snooping
		IPv6 Prefix List	IPv6 Prefix-list
Device reliability features	BFD	**BFD**	BFD for Static route
			BFD for OSPFv2
			BFD for VRRP/Track
			BFD for PBR
	VRRP	**VRRP**	VRRP
			Track for VRRP
	Smart Link	**Smart Link**	multi-instance
			load balance
			Multi-Link
			Monitor-link
	MLAG	**MLAG**	MLAG basic
			MLAG orphan Port
	Stacking	**Stacking**	Maximum number of stacked devices: 8 Stack port: Any port or AGG
ethernet OAM	EFM	**EFM (802.3ah)**	Auto detection
			Network fault detection
			Network fault handle
			remote loop back
	CFM	**CFM (802.1ag)**	Hardware CCM detect
			MAC Ping
			MAC Trace
	Y.1731	**Y.1731**	Loss measure(LM)
			Latency and Jitter measure(DM)
PoE features	PoE	**System Power management**	Power supply on-spot detection
			Power supply capability detection
			Power capability auto configuration (PSE)
		Power Supply Management	Legacy PD detection
			PD max power management
			PD priority management
			Power Supply Task Plan management(Not ready)
			PD Mandatory power supply
		operations management	PSE log
			PSE Chipset temperature inquire
			PSE firmware update
QoS features	QoS	**Traffic classification**	Traffic classification based on COS/DSCP (simple classification)
			Traffic classification based on ACL (complex classification)
			Traffic classification based on inner header of the tunnel packets
		Traffic behaviors	Queue scheduling
QoS features	QoS	**Traffic behaviors**	Remark the priority fields(COS/DSCP) of the packet based on ACL
			Remark the priority fields(COS/DSCP) of the packet based on Table Map
			Flow redirection
			Flow mirror

Feature Type	Sub-Type	Protocol / Function	Operational Capability Description
		Traffic policing	Traffic policing based on direction(in/out) of Port
			Traffic policing based on direction(in/out) of VLAN
			Traffic policing based on direction(in/out) of flow
			Traffic policing based on direction(in/out) of aggregated flow
		Traffic shaping	Queue based traffic shaping
			Port based traffic shaping
		Congestion management	SP(Strict Priority)scheduling
			WDRR(Weighted Deficit Round Robin)scheduling
			SP + WDRR mixed scheduling
		Congestion avoidance	TD(Tail Drop)
			WRED(Weighted Random Early Detection)
		Traffic statistics	Packet counts and bytes statistics based on traffic classification
			Packet counts and bytes statistics based on the color after traffic policing
		Traffic statistics	Forwarded and discarded packet counts and bytes statistics
		ECN (Explicit congestion	ECN tags based on Tail Drop
			ECN tags based on WRED
Data Center	VARP	**Virtual gateway**	VARP(Virtual-ARP)
			VARP subnet
	Tunnel	**VxLAN**	Manual configure VxLAN tunnel
			VxLAN distributed gateway
			VxLAN active-active access
			Interconnect across Data Centers based on VxLAN
			Edit DSCP in VxLan outer header
			BGP EVPN
			Support to enable/disable overlay split horizon per-VNI
		GRE Tunnel	GRE Tunnel
		NVGRE Tunnel	NVGRE Tunnel
		GENEVE Tunnel	GENEVE Tunnel
	DCB	**DCBX**	LLDP support DCBX TLV
		PFC	PFC
Metro Feature	MPLS	**LDP**	LDP
		MPLS Forwarding	MPLS Forwarding
		VPWS	VPWS (L2VPN)
		VPLS	VPLS (L2VPN)
		L3VPN	L3VPN
		MPLS OAM	MPLS OAM
		MPLS Stats	MPLS Stats
		ACL	ACL
		Qos	Qos
Security and management	System Security	**SSH**	SSHv1/v2
			RSA Key generation
		RADIUS	RADIUS
		TACAS+	TACAS+
		AAA	Authentication
			Authorization
			Accounting
		Dot1x	Port based dot1x
			MAC based dot1x
			Guest VLAN
			MAC/IP ACL

Feature Type	Sub-Type	Protocol / Function	Operational Capability Description
Security and management	System Security	**ACL**	Basic Mode ACL
			Port-group ACL
			VLAN-group ACL
			IPv6 ACL
			ACL UDF
			Time Range
		ARP Inspection	ARP Inspection
		IP Source Guard	IP Source Guard
		Port Security	Limitation on MAC address learning on interface
		VLAN Security	Limitation on MAC address learning on VLAN
		Control Plane Policy (COPP)	Black list/wihte list
			Rate limit
		CPU Traffic Limit	CPU Traffic Limit
		Prevent DDOS attack	Prevent DDOS attack (ICMP Flood/Smurf/Fraggle/LAND/SYN Flood)
		Login filter	Telnet/SSH ACL filtering
			Telnet/SSH IPv6 ACL filtering
		MAC Security	MacSec(802.1AE)
		Link-Flapping detection	Link-Flapping detection
	Network Management	**DHCP**	DHCP Server
			DHCP Relay
			DHCP Snooping
			DHCP Client
			DHCP Option82
			DHCP Option252
		RMON	RMON
		sFlow	sFlow v4/v5
		IP SLA	IP SLA
		IPFIX	IPFIX
		EFD	Elephant Flow Detection
		NTP	NTP(Network Time Protocol)
		PTP（IEEE 1588）	TC（Support P2P/E2E、Ethernet/Udp Transport）
			BC/OC(Support OneStep/TwoStep、Request-response/Peer-delay Ethernet/Udp Transport)
		Err-disable	Err-disable detection and recovery
		DNS	Static DNS Client
		LLDP	LLDP
		Dying-Gasp	Support syslog/snmp-trap/eth-oam warning
	Terminal Services	**Command Line Interface**	Configurations through CLI (Command Line Interface)
		Help information	Banner configuration
			Help information in English
		Terminal service	Vty Terminal service
			Console Terminal service
	Terminal Services	**Management interface**	In-band management interface and configuration
			Out-band management interface and configuration
Configuration and maintenance	Configuration Management	**SNMP**	Network management based on SNMPv1/v2c/v3
			Public and private MIB
			Public and private Trap
		WEB	Configuration and management based on WEB UI
			Automatic device connection management
			Zero-configuration deployment

Feature Type	Sub-Type	Protocol / Function	Operational Capability Description
Configuration and maintenance		AgniGate Centralized Network Management System Support	Automatic network topology
			Network monitoring and alarm notification
			Configuration and one-click rollback
			Cross-network tunneling connection to network device(web/ssh/telnet)
			Scheduled tasks deployment
		NETCONF	Configuration and management based on NETCONF
		API	Configuration and management based on-API
		Smart Config	Smart Config(Automatically configuration when system start)
		system profile configuration	change the system specifications by choose different STM Profiles
		Restore factory default configuration	Restore factory default configuration
	File System	File system	File system(support directory and file management)
		Upload and download	Upload and download files through FTP or TFTP
			Upload and download files through Xmodem
	Debugging And Maintenance	Debug	per-module Debug features
			ICMP Debug
		BHM	Software process monitor: BHM(Beat Heart Monitor)
			Hardware Watch Dog
		Log & alarm	CPU usage display and alarm
			Memory usage display and alarm
			Device temperature, PSU, FAN, status display and alarm
			User operation logs
			Management of logs, alarms, and debugging information
		VCT	VCT(Virtual Cable Test)
		system diagnostics	Detailed Diagnostic-information collection
		Reboot	Manual reboot
			Schedule Reboot
			Reboot Information logging
		Network diagnostics	Ping
			IPv6 Ping
			Trace route
		Mirror	Port mirror
			Flow mirror
			Remote mirror
			Multi-destination mirror(m:n)
			Use CPU as mirror source
			Use CPU as mirror destination and analyze packet
			ERSPAN
		CPU statistics	To CPU/From CPU packets statistics
		L2 Ping	layer2 network connectivity detection - L2Ping (MAC Ping/Trace)
		UDLD	UDLD(Unidirectional Link Detection)
		unidirectional	unidirectional forwarding of the fiber
		Loop back	port loop back
			hardware loop back(internal/external)
		System time	Time configuration
			Timezone
	Software	System software upgrate	Update via TFTP
	upgrate	Uboot upgrate	Uboot upgrate

System Traffic Management (STM) Profile Matrix

The AGNIOS software architecture supports dynamic system profiling. Users can shift overall hardware resource limits by choosing different pre-compiled System Traffic Management (STM) Profiles to match specific network deployment scenarios.

Category	Feature Block	Specific Metric	Default	Extended	IPv6	Layer 3	IPRAN
Ethernet Basic	**Jumbo Frame**	Max Jumbo Frame Size (Bytes)	9,600	9,600	9,600	9,600	9,600
	MAC Address	MAC Address Table Capacity	512,000	32,000	512,000	512,000	512,000
		MAC Learning Rate (SW)	>8000pps	—	—	—	—
		MAC Learning Rate (HW)	>20Gbps	—	—	—	—
	VLAN	VLAN IDs Range Limits	4,094	—	—	—	—
		Active VLAN Instances	4,094	—	—	—	—
		VLANs to Enable Statistics	256	—	—	—	—
	VLAN Mapping	Max Mapping Table Capacity	64	—	—	—	—
		Max Rules Number	1,024	—	—	—	—
	EVC Fabric	Maximum EVC Number	4,094	—	—	—	—
	Link Aggregation	Ports per Aggregation Group	No Limit	—	—	—	—
		Maximum Group Number (LAG)	64	—	—	—	—
		Convergence Time Metric	< 50ms	—	—	—	—
	VLAN Sorting	Maximum Sorting Rule Space	4,096	—	—	—	—
		Maximum Group Number Limit	1	—	—	—	—
		Base MAC Template Capacity	512	—	—	—	—
		Base IPv4 Template Capacity	448	—	—	—	—
		Base IPv6 Template Capacity	32	—	—	—	—
		Base Protocol Layer Capacity	7	—	—	—	—
Ring Protection	**Spanning Tree**	STP Convergence Recovery	< 30s	—	—	—	—
		RSTP Convergence Recovery	< 1s	—	—	—	—
		MSTP Active Instance Limits	64	—	—	—	—
		MSTP Convergence Recovery	< 1s	—	—	—	—
	Carrier Rings	ERPS Ring Domain Number	16	—	—	—	—
		Protection Instances per Ring	64	—	—	—	—
		ERPS Switchover Delay Time	< 50ms	—	—	—	—
	G.8031 Protocol	Linear Protection Group Scale	256	—	—	—	—
		Linear Switchover Delay Time	< 50ms	—	—	—	—
	G.8032 Protocol	Global Logical Ring Instances	256	—	—	—	—
		Maximum Member Ports/Ring	256	—	—	—	—
		Multi-Ring Switchover Time	< 50ms	—	—	—	—
Ethernet OAM	**CFM (802.1ag)**	Maximum Active Session Scale	1024	—	—	—	—
		Maintenance Domain Tiers	8	—	—	—	—
Ethernet OAM	**CFM (802.1ag)**	Pulse CCM Minimum Interval	3.3ms	—	—	—	—
		Maximum Down MEP Capacity	1,024	—	—	—	—
		Maximum Up MEP Capacity	1,024	—	—	—	—
		Maximum LMEP Capacity Table	1,024	—	—	—	—
IPv4 Unicast	**ARP Table**	Address Resolution Table Size	256,000	168,000	168,000	288,000	256,000

Category	Feature Block	Specific Metric	Default	Extended	IPv6	Layer 3	IPRAN
IPv4 Unicast	FIB Routing	Hardware Forwarding Routes	57,344	286,72	12,288	57,344	57,344
	Multi-Path	ECMP Group Scale Boundaries	240 Shared	—	—	—	—
	PBR Logic	Policy Route Map Definitions	64	—	—	—	—
		Policy Based Routing ACEs	256	—	—	—	—
	OSPFv2	Max Static Peers / Neighbors	256	—	—	—	—
		Area Summary Routes Max	2,000	—	—	—	—
IPv4 Multicast	IPv4 Routing	Routes Max	196,000	—	—	—	—
	Interfaces	Downstream Routed Interfaces	8,192	4,096	4,096	5,120	4,096
	IGMP Snooping	L2 Tracking Groups Capacity	4,096	—	—	—	—
	MVR Framework	MVR Logic Groups Capacity	2,048	2,048	Shared V6	1024	2,048
	MVR Framework	MVR Subscriber Link Tracking	4,096	—	—	—	—
IPv6 Unicast	Host Routing	NDP Neighbor Capacity Scale	4,096	2,048	4,096	0	2,048
	FIBv6 Routing	Hardware Forwarding Routes	4,096	1,024	6,144	0	1,024
	Multi-Path	ECMP Group Scale Boundaries	240 Shared	—	—	—	—
IPv6 Multicast	IPv6 Routing	Routes Max	128,000	—	—	—	—
	Interfaces	Active Routed Interfaces Max	4,096	2,048	2,048	5,120	2,048
	MVRv6 Fabric	MVRv6 Index Entry Limit	256	2,048	Shared V4	512	0
	MVRv6 Fabric	Egress Subscriber Allocation	512	4,096	1,024	0	0
IP Tunnelling	Encapsulation	Tunnel Peer Termination Max	8	—	—	—	—
QoS Traffic Guard	Queuing	Hardware Queues per Interface	Unicast:10	—	—	—	—
	Burst Buffers	Chassis Burst Buffer Size	4.5MB	9.0MB	4.5MB	4.5MB	4.5MB
	Hardware Flows	Ingress IPv4 QoS Flow Lines	1,532	—	—	—	—
	Hardware Flows	Ingress Flow Telemetry Logs	511	—	—	—	—
Access Control	IPv4 Security	Ingress Port IPv4 ACL Space	1,488	—	—	—	—
		Egress Port IPv4 ACL Space	464	—	—	—	—
	IPv6 Security	Ingress Port IPv6 ACL Space	744	—	—	—	—
		Egress Port IPv6 ACL Space	232	—	—	—	—
	Flow Telemetry	Ingress ACL Stats Counters	1,022	—	—	—	—
		Egress ACL Stats Counters	511	—	—	—	—
Supervisor Guard	CoPP Security	CoPP Filtering Hardware Rules	249	—	—	—	—
		CoPP Execution Tracking Logs	249	—	—	—	—
	Custom Fields	UDF Parsing Rule Boundaries	256	—	—	—	—
		UDF Metric Counter Logs	128	—	—	—	—
	Source Guard	IPSG IPv4 Validation Mappings	768	—	—	—	—
Supervisor Guard	Source Guard	IPSG IPv6 Validation Mappings	128	—	—	—	—
	Auth Engine	NAC Physical Entry Inventory	512	256	256	256	256
	DHCP Snooping	Trusted Address State Entries	8,192	—	—	—	—
System Reliability	Traffic Flows	IPFIX Stream Cache Size	8,192	—	—	—	—
	Fault Engine	BFD/S-BFD Active Sessions	Shared 128	—	—	—	—
	Redundancy	VRRP Cluster Group Limit Max	63	—	—	—	—
	Smart Link	Smart Link Protection Groups	16	—	—	—	—
		Logical Track Maps per Block	64	—	—	—	—
		Path Switchover Velocity	< 50ms	—	—	—	—
	Monitor Link	Monitor Link Tracking Modules	16	—	—	—	—
		Tracked Uplinks per Module Max	16	—	—	—	—

Package Accessories & Ordering Codes

Included Standard Hardware Accessories

Accessory Component	Quantity	Functional Description
Console Cable	**1 PCS**	RJ-45 to DB-9/RS-232 serial management connection cable
Power Cords	**2 PCS**	Regional AC power cords for dual redundant hot-swappable power supplies
Rack Mount Brackets (Front)	**2 PCS**	19-inch standard EIA front equipment rack mounting brackets
Rack Mount Brackets (Rear)	**2 PCS**	Rear chassis stabilization and slider support brackets
Bracket Screws	**10 PCS**	Phillips head machine mounting screws for chassis bracket installation
Grounding Cable	**1 PCS**	Frame grounding wire with terminal lug for electrical safety

System Ordering Codes & Licenses

Order Code / Model	Configuration & Software License Details
S6032Z-2SP	32 Ports Optical L3 Managed Core Switch: 32 × 40/100G QSFP28, 2 × 550W CRPS Hot-Swappable PSUs, 4 × Fan Modules Hot-Swappable (AFO).
AGNIOS-L3-BASE	Software Pre-installed: AGNIGATE Operating System - Full Layer 3 software license (OSPF, BGP, VRF, MLAG, Stacking, EVPN-VxLAN).
AGNIOS-MPLS-LIC	Software License (Add-on License): AGNIOS - MPLS features software license key (LDP, VPWS, VPLS, L3VPN, Carrier OAM).

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