

AGNIGATE S3024 Series Switches Datasheet



S3024-6X: 24 Ports 2.5G L3 Managed Switch, with 24*100/1000M/2.5GBase-T and 6* 10G SFP+ Uplink Ports, Built-in 96W AC/DC power supply and built-in fan.

S3024-6X-D: 24 Ports 2.5G L3 Managed Switch, with 24*100/1000M/2.5GBase-T and 6* 10G SFP+ Uplink Ports, Built-in 150W AC/DC dual power supply, built-in fan

S3024P-6X: 24 Ports 2.5G L3 Managed POE++ Switch, with 24* 100/1000M/2.5GBase-T (Max90w/port) and 6* 10G SFP+ Uplink Ports, 380W POE power budget, built-in fan

S3024PB-6X: 24 Ports 2.5G L3 Managed POE++ Switch, with 24* 100/1000M/2.5GBase-T (Max90w/port) and 6* 10G SFP+ Uplink Ports, 750W POE power budget, built-in fan

OVERVIEW

AgniGate S3024 Series routing switches, high-performance Layer 3 Ethernet switch with 2.5G Multi-Gigabit and 10G SFP+ Ports compact 1U form factor. The AGN IOS delivers robust feature support, Provide Layer 3 network features.

Built from the ground up with the combination of advanced hardware and software, the switch provides a Layer 3 routing solution for next generation SMB / Enterprise / Wi-Fi 6 AX Access/ high speed NAS networks.

Varied Port Types

Support 100M/1G /2.5G /10G ports to meet different network requirements.

Ultra-Long-Distance PoE++

Optical-electrical synergy, implementing 300 m PoE+ (90W /Port) and 10 Gbit/s access for Wi-Fi 6 Aps and other PDs. Compatible 802.3af/at/bt standard.

CHARACTERISTICS

Product Name	S3024-6X	S3024-6X-D	S3024P-6X	S3024PB-6X
Ethernet Ports	- 24 *100M/1000M/2.5G BASE-T -6*10G SFP+			
PoE Ports	N/A	N/A	24*AF/AT/BT 90W Max	24*AF/AT/BT 90W Max
Power Supplies	96W AC to DC power supply, 100Vac-240Vac Input, 12Vdc Output	2*150W AC to DC power supply, 100Vac-240Va c Input, 12Vdc Output	450W AC to DC power supply,100Vac-2 40Vac Input, 400W 54Vdc Output, 50W 12Vdc Output.	880W AC to DC power supply,100Vac- 240Vac Input, 800W 54Vdc Output, 80W 12Vdc Output.
POE power budget	N/A	N/A	380W	750W
Management Ports	1*Console Port (RJ45)			
Fans	3* Fan	3* Fan	4* Fan	5* Fan
Airflow	Front to Rear			
Flash	128Mb			

AGNIGATE S3024 SERIES SWITCHES DATASHEET

DRAM	4Gb			
Switching Capacity	240Gbps			
Packet Forwarding Rate	360 Mpps			
MAC address	32K			
Size	440mmx290mmx43.6mm			
Weight	4.06KG	4.41KG	4.55KG	4.46KG
Operating Temperature	-10°C to 55°C			
Storage Temperature	-40°C to 70°C			
Operating Humidity	10% to 90% (Non-condensing)			
Storage Humidity	0 to 95% (Non-condensing)			
Temperature Alarm	55°C			

SOFTWARE FEATURE LIST

Type	Feature	
MAC Address Table	32K	
Jumbo Frame	12K	
Flow Control	802.3x (Full-duplex)	Yes
	Back-Pressure	Yes

AGNIGATE S3024 SERIES SWITCHES DATASHEET

	(Half-duplex)	
Spanning Tree	IEEE 802.1D (STP)	Yes
	IEEE 802.1w (RSTP)	Yes
	IEEE 802.1s (MSTP)	64 instances
	Auto Edge Port	Yes
	BPDU Filtering	Yes
	Self Loop Detection	Yes
Link Aggregation	IEEE 802.3ad LACP	Yes
	Static Trunk	Yes
	Max. Group	64
	Max. Ports/Group	8
	Traffic Load Balancing	Yes
VLAN		
Voice VLAN	Static VLAN	4K
	Port-based	Yes
	IEEE 802.1Q Tagged-based	Yes
	Protocol-based	8 groups
	MAC-based	1K (shared)
	OUI Mode (Auto/Manual)	16 OUI
Surveillance VLAN	OUI Mode	16 OUI

AGNIGATE S3024 SERIES SWITCHES DATASHEET

	(Auto/Manual)	
QinQ (IEEE 802.1ad)	Basic	Yes
GARP VLAN Registration Protocol (GVRP)	Yes	
Multicast		
Common	Multicast Groups	1K
	Immediate Leave	Yes
	Static/Forbidden Router Port	Yes
	Static/Forbidden Forward Port	Yes
	Filtering	128 profiles
	Throttling	Yes
IGMP Snooping	IGMP v1/v2	Yes
	IGMP v3 Basic (BISS)	Yes
	IGMP v2/v3 Querier	Yes
MLD Snooping	MLD v1/v2	Yes
Multicast VLAN Registration (MVR)		Yes
QoS Features		
Priority Queue	8 queues/port	
Queue Scheduling	WRR	Yes

AGNIGATE S3024 SERIES SWITCHES DATASHEET

	WFQ	Yes
	Strict Pripority	Yes
	Hybrid(WRR+SP or WFQ+SP)	Yes
Class of Service	Port-based	Yes
	802.1p	Yes
	IP TOS Precedence	Yes
	IP DSCP	Yes
Trusted QoS		Yes
Rate Limit	Port-based (Ingress/Egress)	Yes
Access Control List (ACL)		
Access Rules	2048	
ACL Type	L2/L3/L4	Yes
	MAC-based	
	IPv4-based	512
	IPv6-based	
Security		
AAA	Authentication	Yes
TACACS+	8	
RADIUS	8	
Authentication Manager	IEEE 802.1X	Yes
	MAC Auth	Yes

AGNIGATE S3024 SERIES SWITCHES DATASHEET

	Web Auth	Yes
	Guest VLAN	Yes
	Port-based	Yes
	Host-based	Yes
Account Manager	Local Authenticoitin	Yes
	Multiple User Account	8
	Multi-Level Security	Yes
	Password Recovery Procedures	Yes
Management Access	Management VLAN	Yes
	Management ACL	256
SSL	SSLv2	Yes
	SSLv3	Yes
	TLSv1	Yes
WebUI	HTTPS	Yes
CLI	SSH v1/v2	Yes
Port Security	Dynamic Lock	256
Storm Control	Broadcast	Yes
	Unknown Multicast	Yes
	Unknown Unicast	Yes
Spanning Tree	BPDU Guard	Yes
Protected Port (Port	Yes	

AGNIGATE S3024 SERIES SWITCHES DATASHEET

Isolation)		
Black Hole MAC	Yes	
CPU Defence Engine		Yes
DoS Prevention		Yes
DHCP Snooping (with Option 82)		Yes
Dynamic ARP Inspection		Yes
IP Source Guard		256
IP/MAC/Port Binding (IMPB)		Yes
IPv6		
IPv6 Host	Auto Configuration	Yes
	Static IPv6 Address and Prefix Length	Yes
	Static IPv6 Default Gateway	Yes
	IPv6 Neighbor Discovery (ND)	Yes
	IPv6 Duplicate Address Detection	Yes
	ICMPv6	Yes
IPv6 Application	HTTP/HTTPS	Yes

AGNIGATE S3024 SERIES SWITCHES DATASHEET

	TELNET	Yes
	SSH	Yes
	SNMP	Yes
	TFTP	Yes
	Syslog	Yes
	PING	Yes
	DHCPv6	Yes
Management		
CLI	Console	3 sessions
	Telnet (RFC854)	
WebUI	HTTP	Yes
	v1	Yes
	v2c	Yes
SNMP	v3	Yes
File Management	Firmware Upgrade/Backup	Yes
	Dual Images	Yes
	Configuration Download/Backup	Yes
	Multiple Configurations	Yes
Upload/Download	TFTP (RFC783)	Yes
	HTTP	Yes

AGNIGATE S3024 SERIES SWITCHES DATASHEET

	UART	Yes
Time Management	Local	Yes
	SNTP	Yes
Port Management	Friendly Port Name (Port Description)	Yes
	Error Disabled Recovery	Yes
Line Management	Console	Yes
	Telnet (RFC854)	Yes
	SSH v1/v2	Yes
DHCP	Client	Yes
	DHCP SNOOPING	Yes
	Server	Yes
	Relay	Yes
	option82	Yes
DNS	Client	Yes
Software Reset Button	Yes	
EEE (802.3az)	Yes	
RMON Management	32 entries / type	
Discovery		
IEEE 802.1AB Link Layer Discovery Protocol (LLDP)	Yes	

AGNIGATE S3024 SERIES SWITCHES DATASHEET

ANSI/TIA-1057 LLDP		
Media Endpoint Discovery (LLDP-MED)	Yes	
Diagnostics		
Mirroring	Port-based (Many to One)	4 sessions
Syslog (RFC3164)	Local RAM	Yes
	Local Flash	Yes
	Remote Server	8
System Diagnostics	CPU Utilization	Yes
	Memory Utilization	Yes
	Port Utilization	Yes
Port Diagnostics	Cable Test	Yes
	Fiber Module Status	Yes
Network Diagnostics	Ping Test	Yes
	Traceroute	Yes
UDLD	Yes	
MIB		
RFC1213 MIBII (System & Interface groups)	Yes	
RFC2819 RMON I (1,2,3, & 9 groups)	Yes	
RFC1215 Generic Traps	Yes	

AGNIGATE S3024 SERIES SWITCHES DATASHEET

RFC1493 Bridge	Yes	
RFC2674 Bridge MIB Extensions	Yes	
RFC2737 Entity	Yes	
RFC3635 Ethernet-Like	Yes	
RFC2863 Interface Group	Yes	
SNMP-Community-MIB	Yes	
SNMPv3	Yes	
POE (S3524P/S3524PB)	POE port config	Yes
RIP	v1/v2	Yes
OSPF	v1/v2	Yes
Web GUI language	English Only	Yes

ACCESSORIES

Product Name	Quantity
Console Cable	1PCS
Power Cords	1PCS (S3024-6X/ S3024-6X-D /S3024P-6X/ S3024PB-6X)
Rack Mount Brackets	2PCS
Bracket Screws	6PCS
Cat5e Cable	1PCS
Grounding Cable	1PCS

ORDER INFORMATION

Product Name	Description
S3024-6X	- 24 Ports 2.5G L3 Managed Switch, with 24*100/1000M/2.5GBase-T and 6* 10G SFP+ Uplink Ports, Built-in 96W AC/DC power supply and 3* built-in fan.
S3024-6X-D	- 24 Ports 2.5G L3 Managed Switch, with 24*100/1000M/2.5GBase-T and 6* 10G SFP+ Uplink Ports, Built-in 150W AC/DC dual power supply, 3*built-in fan
S3024P-6X	- 24 Ports 2.5G L3 Managed POE++ Switch, with 24* 100/1000M/2.5GBase-T (Max90w/port) and 6* 10G SFP+ Uplink Ports, Built-in 450W POE power supply, 380W POE power budget ,4* built-in fan
S3024PB-6X	- 24 Ports 2.5G L3 Managed POE++ Switch, with 24* 100/1000M/2.5GBase-T (Max90w/port) and 6* 10G SFP+ Uplink Ports, Built-in 880W POE power supply, 750W POE power budget, 5*built-in fan