

NSA series system specifications

Firewall general	NSA 2600	NSA 3600	NSA 4600	NSA 5600	NSA 6600
Operating system	SonicOS 6.2.2				
Security processing cores	4	6	8	10	24
Interfaces	8x1 GbE, 1GbE Management, 1 Console	2 x 10-GbE SFP+, 4 x 1-GbE SFP, 12 x 1 GbE, 1 Gbe Console	2 x 10-GbE SFP+, 4 x 1-GbE SFP, 12 x 1 GbE, 1 Gbe Console	2 x 10-GbE SFP+, 4 x 1-GbE SFP, 12 x 1 GbE, 1 Gbe Console	4 x 10-GbE SFP+ , 8 x 1-GbE SFP, 8 x 1 GbE, 1 GbE, 1 Gbe Console
Memory (RAM)	2.0 GB	2.0 GB	2.0 GB	4.0 GB	4.0 GB
Expansion	1 Expansion Slot (Rear)*, SD Card*				
Management	CLI, SSH, GUI, GMS				
SSO users	30,000	40,000	50,000	60,000	70,000
Maximum SonicPoints supported	32	48	64	96	128
Logging					
Hardware Failover					
Firewall/VPN Performance	NSA 2600	NSA 3600	NSA 4600	NSA 5600	NSA 6600
Firewall inspection throughput ¹	1.9 Gbps	3.4 Gbps	6.0 Gbps	9.0 Gbps	12.0 Gbps
Full DPI throughput ²	300 Mbps	500 Mbps	800 Mbps	1.6 Gbps	3.0 Gbps
Application inspection throughput ²	700 Mbps	1.1 Gbps	2.0 Gbps	3.0 Gbps	4.5 Gbps
IPS throughput ²	700 Mbps	1.1 Gbps	2.0 Gbps	3.0 Gbps	4.5 Gbps
Anti-malware inspection throughput ²	400 Mbps	600 Mbps	1.1 Gbps	1.7 Gbps	3.0 Gbps
IMIX throughput ³	600 Mbps	900 Mbps	1.6 Gbps	2.4 Gbps	3.5 Gbps
SSL Inspection and Decryption (DPI SSL) ²	200 Mbps	300 Mbps	500 Mbps	800 Mbps	1.3 Gbps
VPN throughput ³	1.1 Gbps	1.5 Gbps	3.0 Gbps	4.5 Gbps	5.0 Gbps
Connections per second	15,000/sec	20,000/sec	40,000/sec	60,000/sec	90,000/sec
Maximum connections (SPI)	225,000	325,000	400,000	562,500	750,000
Maximum connections (DPI)	125,000	175,000	200,000	375,000	500,000
SSL DPI Connections	1,000	2,000	3,000	4,000	6,000
VPN	NSA 2600	NSA 3600	NSA 4600	NSA 5600	NSA 6600
Site-to-site tunnels	75	1,000	3,000	4,000	6,000
IPSec VPN clients (max)	10 (250)	50 (1,000)	500 (3,000)	2,000 (4,000)	2,000 (6,000)
SSL VPN NetExtender Clients (max)	2 (250)	2 (350)	2 (500)	2 (1000)	2 (1500)
Encryption/Authentication	DES, 3DES, AES (128, 192, 256-bit)/MD5, SHA-1, Suite B Cryptography				
Key exchange	Diffie Hellman Groups 1, 2, 5, 14v				
Route-based VPN	RIP, OSPF				
Networking	NSA 2600	NSA 3600	NSA 4600	NSA 5600	NSA 6600
IP address assignment	Static (DHCP PPPoE, L2TP and PPTP client), Internal DHCP server, DHCP Relay				
NAT modes	1:1, many:1, 1:many, flexible NAT (overlapping IPS), PAT, transparent mode				
VLAN interfaces	256	256	256	400	500
Routing protocols	BGP, OSPF, RIPv1/v2, static routes, policy-based routing, multicast				
QoS	Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1p				
Authentication	XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, Terminal Services, Citrix, Common Access Card (CAC)				
VoIP	Full H323-v1-5, SIP				
Standards	TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SNMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3				
Certifications	ICSA Firewall, ICSA Anti-Virus, FIPS 140-2, Common Criteria NDPP (Firewall and IPS), UC APL				
Hardware	NSA 2600	NSA 3600	NSA 4600	NSA 5600	NSA 6600
Power supply	200W	Single, Fixed 250W			
Fans	Dual, Fixed				Dual, redundant, hot swappable
Input power	100-240 VAC, 60-50 Hz				
Maximum power consumption (W)	49.4	74.3	86.7	90.9	113.1
MTBF @25°C in hours	176,540	146,789	139,783	134,900	116,477
MTBF @25°C in years	20.15	16.76	15.96	15.40	13.30
Form factor	1U Rack Mountable				
Dimension	1.75 x 10.25 x 17 in (4.5 x 26 x 43 cm)	1.75 x 19.1 x 17 in (4.5 x 48.5 x 43 cm)			
Weight	10.1 lb (4.6 kg)	13.56 lb (6.15 Kg)			14.93 lb (6.77 Kg)
WEEE weight	11.0 lb (5.0 kg)	14.24 lb (6.46 Kg)			19.78 lb (8.97 Kg)
Shipping weight	14.3 lb (6.5 kg)	20.79lb (9.43 Kg)			26.12 lb (11.85 Kg)
Major regulatory	FCC Class A, CE (EMC, LVD, RoHS), C-Tick, VCCI Class A, MSIP/KCC Class A, UL, cUL, TUV/GS, CB, Mexico CoC by UL, WEEE , REACH, ANATEL, BSMI, CU				
Environment	32-105 F, 0-40 deg C				
Humidity	10-90% non-condensing				

¹ Testing Methodologies: Maximum performance based on RFC 2544 (for firewall). Actual performance may vary depending on network conditions and activated services.

² Full DPI/GatewayAV/Anti-Spyware/IPS throughput measured using industry standard Spirent WebAvalanche HTTP performance test and Ixia test tools. Testing done with multiple flows through multiple port pairs.

³ VPN throughput measured using UDP traffic at 1280 byte packet size adhering to RFC 2544. All specifications, features and availability are subject to change.

**Future use. All specifications, features and availability are subject to change.