

SonicWall Product Lines

Table of Contents

SonicWall SuperMassive 9000 series	2
SonicWall NSA series	3
SonicWall TZ series	4
SonicWall WAN Acceleration Appliance (WXA) series	7
SonicWall SonicWave series	8
SonicWall SonicWave series PoE Injector	9
SonicWall SonicPoint series	10
SonicWall SonicPoint series PoE Injector	11
SonicWall Secure Mobile Access (SMA)	12
SonicWall Email Security	13
SonicWall Hosted Email Security	15
SonicWall Global Management System (GMS)	17
SonicWall Analyzer	18

SonicWall SuperMassive 9000 Series

Firewall General	9200	9400	9600	9800
Operating system	SonicOS			
Security processing cores	24	32		64
Interfaces	4x10GbE SFP+, 8x1GbE SFP, 8x1GbE, 1GbE Management, 1 Console			4x10GbE SFP+, 12x1GbE SFP, 8x1GbE, 1GbE Management, 1 Console
Memory (RAM)	8 GB	16 GB	32 GB	64 GB
Storage	Flash			2x 80GB SSD, Flash
Expansion	1 expansion slot (rear)*, SD card*			
Management	CLI, SSH, GUI, GMS			
SSO users	80,000	90,000	100,000	110,000
Maximum SonicPoints supported	128			-
Logging	Analyzer, Local Log, Syslog			
High availability	Active/Passive with State Sync, Active/Active DPI with State Sync			
Firewall/VPN Performance	9200	9400	9600	9800
Firewall Inspection Throughput ¹	15 Gbps	20 Gbps	20 Gbps	28 Gbps
Full DPI Performance ² (GAV/GAS/IPS)	3 Gbps	4.4 Gbps	4.5 Gbps	9 Gbps
Application Inspection Throughput ²	5 Gbps	10 Gbps	11.5 Gbps	20 Gbps
IPS Throughput ²	5 Gbps	10 Gbps	11.5 Gbps	18 Gbps
Anti-Malware Inspection Throughput ¹	3.5 Gbps	4.5 Gbps	5.0 Gbps	9 Gbps
IMIX performance	4.4 Gbps	5.5 Gbps	5.5 Gbps	6 Gbps
SSL inspection and decryption throughput (DPI SSL) ²	1.0 Gbps	2.0 Gbps	2.0 Gbps	3 Gbps
VPN Throughput ³	5 Gbps	10 Gbps	11.5 Gbps	14 Gbps
Connections per second	100,000/sec	130,000/sec	130,000/sec	226,000/sec
Maximum connections (SPI)	5.0M	7.5M	10.0M	3.0M
Maximum connections (DPI)	1.5M	1.5M	2.0M	2.5M
DPI SSL connections ⁶ (Maximum)	8,000 (15,500 ⁶)	10,000 (17,500 ⁶)	12,000 (22,500 ⁶)	48,000
VPN	9200	9400	9600	9800
Site-to-Site VPN Tunnels	10,000			25,000
IPSec VPN clients (Maximum)	2,000(4,000)	2,000(6,000)	2,000(10,000)	
SSL VPN NetExtender Clients (Maximum)	2 (3,000)	2 (3,000)	50 (3,000)	50 (50)
Encryption/authentication	DES, 3DES, AES (128, 192, 256-bit)/MD5, SHA-1, Suite B, Common Access Card (CAC)			
Key exchange	Diffie Hellman Groups 1, 2, 5, 14v			
Route-based VPN	RIP, OSPF			
Networking	9200	9400	9600	9800
IP address assignment	Static, DHCP, PPPoE, L2TP and PPTP client, internal DHCP server, DHCP relay ⁴			
NAT modes	1:1, many:1, 1:many, flexible NAT (overlapping IPs), PAT, transparent mode			
VLAN interfaces	512			
Routing protocols	BGP, OSPF, RIPv1/v2, static routes, policy-based routing, multicast			
QoS	Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1p			
Authentication	LDAP (multi-domains), XAUTH/RADIUS, SSO, Novell, internal user database, Terminal Services ⁵ , Citrix ⁵			
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	UC APL ⁴ , ICSA Enterprise Firewall, IPv6 Phase 2, VPNC, VPAT, FIPS 140-2 ⁴ , Common Criteria NDPP ⁴ , ICSA Anti-Virus ⁴			
Hardware	9200	9400	9600	9800
Power supply	Dual-redundant, hot-swappable, 300 W			Dual-redundant, hot-swappable, 500 W
Fans	Dual-redundant, hot-swappable			
Display	Front LED display			
Input power	100-240 VAC, 60-50 Hz			
Maximum power consumption (W)	200			350
MTBF @25°C in hours	188,719	187,702	186,451	126,144
MTBF @25°C in years	21.53	21.43	21.28	14.40
Form factor	1U rack-mountable			2U rack-mountable
Dimensions	17x19.1x1.75 in (43.3x48.5x4.5 cm)			17x24x3.5 in (9x60x43 cm)
Weight	18.1 lb (8.2 kg)			40.5 lb (18.38 kg)
WEEE weight	23 lb (10.4 kg)			49.5 lb (22.4 kg)
Shipping weight	29.3 lb (13.3 kg)			65 lb (29.64 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	15-40 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/Gateway AV/ 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. ⁴ Applies to SuperMassive 9200, 9400 and 9600. SuperMassive 9800 UC APL certification is pending. ⁵ Supported on SonicOS 6.1 and 6.2. ⁶ For every 125,000 DPI connections reduced, the number of available DPI SSL connections increases by 750. *Future use. All specifications, features and availability are subject to change.

SonicWall NSA series

Firewall general	NSA 2600	NSA 2650	NSA 3600	NSA 4600	NSA 5600	NSA 6600
Operating system	SonicOS 6.5					
Security processing cores	4	4	6	8	10	24
Interfaces	8 x 1-GbE, 1 GbE Management, 1 Console	4 x 2.5-GbE SFP, 4 x 2.5-GbE, 12 x 1-GbE, 1 GbE Management, 1 Console	2 x 10-GbE SFP+, 4 x 1-GbE SFP, 12 x 1 GbE, 1 GbE Management, 1 Console	2 x 10-GbE SFP+, 4 x 1-GbE SFP, 12 x 1 GbE, 1 GbE Management, 1 Console	2 x 10-GbE SFP+, 4 x 1-GbE SFP, 12 x 1 GbE, 1 GbE Management, 1 Console	4 x 10-GbE SFP+, 8 x 1-GbE SFP, 8 x 1 GbE, 1 GbE Management, 1 Console
Expansion	1 Expansion Slot (Rear)*, SD Card*	1 Expansion Slot (Rear)*, 16 GB storage module	1 Expansion Slot (Rear)*, SD Card*			
Management	CLI, SSH, GUI, GMS					
SSO users	30,000	40,000	40,000	50,000	60,000	70,000
Maximum access points supported	32	48	48	64	96	128
Logging	Analyzer, Local Log, Syslog					
Firewall/VPN Performance	NSA 2600	NSA 2650	NSA 3600	NSA 4600	NSA 5600	NSA 6600
Firewall inspection throughput ¹	1.9 Gbps	3.0 Gbps	3.4 Gbps	6.0 Gbps	9.0 Gbps	12.0 Gbps
Full DPI throughput ²	300 Mbps	600 Mbps	500 Mbps	800 Mbps	1.6 Gbps	3.0 Gbps
Application inspection throughput ²	700 Mbps	1.4 Gbps	1.1 Gbps	2.0 Gbps	3.0 Gbps	4.5 Gbps
IPS throughput ²	700 Mbps	1.4 Gbps	1.1 Gbps	2.0 Gbps	3.0 Gbps	4.5 Gbps
Anti-malware inspection throughput ²	400 Mbps	600 Mbps	600 Mbps	1.1 Gbps	1.7 Gbps	3.0 Gbps
IMIX throughput	600 Mbps	700 Mbps	900 Mbps	1.6 Gbps	2.4 Gbps	3.5 Gbps
TLS/SSL Inspection and Decryption (DPI SSL) ²	200 Mbps	300 Mbps	300 Mbps	500 Mbps	800 Mbps	1.3 Gbps
VPN throughput ³	1.1 Gbps	1.5 Gbps	1.5 Gbps	3.0 Gbps	4.5 Gbps	5.0 Gbps
Connections per second	15,000/sec	15,000/sec	20,000/sec	40,000/sec	60,000/sec	90,000/sec
Maximum connections (SPI)	500,000	1,000,000	750,000	1,000,000	1,500,000	1,500,000
Maximum connections (DPI) ⁴	250,000	500,000	375,000	500,000	1,000,000	1,000,000
Default/Maximum connections (DPI SSL) ⁴	1,000/1,000	12,000/13,500	2,000/2,750	3,000/4,500	4,000/8,500	6,000/10,500
VPN	NSA 2600	NSA 2650	NSA 3600	NSA 4600	NSA 5600	NSA 6600
Site-to-site tunnels	250	1,000	1,000	3,000	4,000	6,000
IPSec VPN clients (max)	10 (250)	50 (1,000)	50 (1,000)	500 (3,000)	2,000 (4,000)	2,000 (6,000)
SSL VPN NetExtender Clients (max)	2 (250)	2 (350)	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 2650	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	256	400	500
Routing protocols	BGP, OSPF, RIPv1/v2, static routes, policy-based routing					
QoS	Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1p					
Authentication	LDAP (multiple domains), XAUTH/RADIUS, SSO, 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					
High availability	Active/Passive with State Sync		Active/Passive with State Sync Active/Active Clustering		Active/Passive with State Sync, Active/Active DPI with State Sync, Active/Active Clustering	
Hardware	NSA 2600	NSA 2650	NSA 3600	NSA 4600	NSA 5600	NSA 6600
Power supply	Single, Fixed 200W	Dual, redundant 120W (one included)	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	74.3	86.7	90.9	113.1
MTBF @25°C in hours	176,540	146,789	146,789	139,783	134,900	116,477
MTBF @25°C in years	20.15	16.76	16.76	15.96	15.40	13.30
Form factor	1U Rack Mountable					
Dimension	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)	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)	14.24 lb (6.46 kg)		19.78 lb (8.97 kg)	
Shipping weight	14.3 lb (6.5 kg)	20.79 lb (9.43 kg)	20.79 lb (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 (Operating/Storage)	32°-105° F (0°-40° C)/-40° to 158° F (-40° to 70° 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.

⁴ For every 125,000 DPI connections reduced, the number of available DPI SSL connections increases by 750.

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

SonicWall TZ series

Hardware overview	SOHO series	TZ300 series	TZ400 series	TZ500 series	TZ600
Operating system	SonicOS				
Security processing cores	2	2	4	4	4
Interfaces	5x1GbE, 1 USB, 1 Console	5x1GbE, 1 USB, 1 Console	7x1GbE, 1 USB, 1 Console	8x1GbE, 2 USB, 1 Console	10x1GbE, 2 USB, 1 Console, 1 Expansion Slot
Expansion	USB	USB	USB	2 USB	Expansion Slot (Rear)*, 2 USB
Single Sign-On (SSO) Users	250	500	500	500	500
VLAN interfaces	25	25	50	50	50
Access points supported (maximum)	2	8	16	16	24
Dell X-Series switch models supported	Not available	X1008/P, X1018/P, X1026/P, X1052/P, X4012			
Firewall/VPN performance	SOHO series	TZ300 series	TZ400 series	TZ500 series	TZ600
Firewall inspection throughput ¹	300 Mbps	750 Mbps	1,300 Mbps	1,400 Mbps	1,500 Mbps
Full DPI throughput ²	50 Mbps	100 Mbps	300 Mbps	400 Mbps	500 Mbps
Application inspection throughput ²	-	300 Mbps	900 Mbps	1,000 Mbps	1,100 Mbps
IPS throughput ²	100 Mbps	300 Mbps	900 Mbps	1,000 Mbps	1,100 Mbps
Anti-malware inspection throughput ²	50 Mbps	100 Mbps	300 Mbps	400 Mbps	500 Mbps
IMIX throughput	60 Mbps	200 Mbps	500 Mbps	700 Mbps	900 Mbps
TLS/SSL inspection and decryption throughput (DPI SSL) ²	15 Mbps	45 Mbps	100 Mbps	150 Mbps	200 Mbps
IPSec VPN throughput ³	100 Mbps	300 Mbps	900 Mbps	1,000 Mbps	1,100 Mbps
Connections per second	1,800	5,000	6,000	8,000	12,000
Maximum connections (SPI)	10,000	50,000	100,000	125,000	150,000
Maximum connections (DPI)	10,000	50,000	90,000	100,000	125,000
Maximum connections (DPI SSL)	100	500	500	750	750
VPN	SOHO series	TZ300 series	TZ400 series	TZ500 series	TZ600
Site-to-site VPN tunnels	10	10	20	25	50
IPSec VPN clients (maximum)	1 (5)	1 (10)	2 (25)	2 (25)	2 (25)
SSL VPN licenses (maximum)	1 (10)	1 (50)	2 (100)	2 (150)	2 (200)
Virtual assist bundled (maximum)	-	1 (30-day trial)	1 (30-day trial)	1 (30-day trial)	1 (30-day trial)
Encryption/authentication	DES, 3DES, AES (128, 192, 256-bit), MD5, SHA-1, Suite B Cryptography				
Key exchange	Diffie Hellman Groups 1, 2, 5, 14				
Route-based VPN	RIP, OSPF				
Certificate support	Verisign, Thawte, Cybertrust, RSA Keon, Entrust and Microsoft CA for SonicWall-to- SonicWall VPN, SCEP				
VPN features	Dead Peer Detection, DHCP Over VPN, IPSec NAT Traversal, Redundant VPN Gateway, Route-based VPN				
Global VPN client platforms supported	Microsoft® Windows Vista 32/64-bit, Windows 7 32/64-bit, Windows 8.0 32/64-bit, Windows 8.1 32/64-bit, Windows 10				
NetExtender	Microsoft Windows Vista 32/64-bit, Windows 7, Windows 8.0 32/64-bit, Windows 8.1 32/64-bit, Mac OS X 10.4+, Linux FC3+/Ubuntu 7+/OpenSUSE				
Mobile Connect	Apple® iOS, Mac OS X, Google® Android™, Kindle Fire, Chrome, Windows 8.1 (Embedded)				
Security services	SOHO series	TZ300 series	TZ400 series	TZ500 series	TZ600
Deep Packet Inspection services	Gateway Anti-Virus, Anti-Spyware, Intrusion Prevention, DPI SSL				
Content Filtering Service (CFS)	HTTP URL, HTTPS IP, keyword and content scanning, Comprehensive filtering based on file types such as ActiveX, Java, Cookies for privacy, allow/forbid lists				
Enforced Client Anti-Virus and Anti-Spyware	McAfee®				
Comprehensive Anti-Spam Service	Supported				
Application Visualization	No	Yes	Yes	Yes	Yes
Application Control	Yes	Yes	Yes	Yes	Yes
Capture Advanced Threat Protection	No	Yes	Yes	Yes	Yes

SonicWall TZ series con't

Networking	SOHO series	TZ300 series	TZ400 series	TZ500 series	TZ600
IP address assignment	Static, (DHCP, PPPoE, L2TP and PPTP client), Internal DHCP server, DHCP relay				
NAT modes	1:1, 1:many, many:1, many:many, flexible NAT (overlapping IPs), PAT, transparent mode				
Routing protocols ⁴	BGP ⁴ , OSPF, RIPv1/v2, static routes, policy-based routing				
QoS	Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1e (WMM)				
Authentication	LDAP (multiple domains), XAUTH/RADIUS, SSO, Novell, internal user database	LDAP (multiple domains), XAUTH/RADIUS, SSO, Novell, internal user database, Terminal Services, Citrix			
Local user database	150			250	
VoIP	Full H.323v1-5, SIP				
Standards	TCP/IP, UDP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SNMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3				
Certifications	FIPS 140-2 (with Suite B) Level 2, UC APL, VPNC, IPv6 (Phase 2), ICSA Network Firewall, ICSA Anti-virus				
Certifications pending	Common Criteria NDPP				
Common Access Card (CAC)	Supported				
High availability	No	Active/standby	Active/standby	Active/standby with stateful synchronization	Active/standby with stateful synchronization
Hardware	SOHO series	TZ300 series	TZ400 series	TZ500 series	TZ600
Form factor	Desktop				
Power supply (W)	24W external	24W external	24W external	36W external	60W external
Maximum power consumption (W)	6.4 / 11.3	6.9 / 12.0	9.2 / 13.8	13.4 / 17.7	16.1
Input power	100 to 240 VAC, 50-60 Hz, 1 A				
Total heat dissipation	21.8 / 38.7 BTU	23.5 / 40.9 BTU	31.3 / 47.1 BTU	45.9 / 60.5 BTU	55.1 BTU
Dimensions	3.6x14.1x19cm	3.5x13.4x19cm	3.5x13.4x19cm	3.5x15x22.5cm	3.5x18x28cm
Weight	0.34 kg / 0.75 lbs 0.48 kg / 1.06 lbs	0.73 kg / 1.61 lbs 0.84 kg / 1.85 lbs	0.73 kg / 1.61 lbs 0.84 kg / 1.85 lbs	0.92 kg / 2.03 lbs 1.05 kg / 2.31 lbs	1.47 kg / 3.24 lbs
WEEE weight	0.80 kg / 1.76 lbs 0.94 kg / 2.07 lbs	1.15 kg / 2.53 lbs 1.26 kg / 2.78 lbs	1.15 kg / 2.53 lbs 1.26 kg / 2.78 lbs	1.34 kg / 2.95 lbs 1.48 kg / 3.26 lbs	1.89 kg / 4.16 lbs
Shipping weight	1.20 kg / 2.64 lbs 1.34 kg / 2.95 lbs	1.37 kg / 3.02 lbs 1.48 kg / 3.26 lbs	1.37 kg / 3.02 lbs 1.48 kg / 3.26 lbs	1.93 kg / 4.25 lbs 2.07 kg / 4.56 lbs	2.48 kg / 5.47 lbs
MTBF (years)	58.9/56.1 (wireless)	56.1	54.0	40.8	18.4
Environment (Operating/Storage)	32°-105° F (0°-40° C)/-40° to 158° F (-40° to 70° C)				
Humidity	5-95% non-condensing				
Regulatory	SOHO series	TZ300 series	TZ400 series	TZ500 series	TZ600
Regulatory model (wired)	APL31-0B9	APL28-0B4	APL28-0B4	APL29-0B6	APL30-0B8
Major regulatory compliance (wired models)	FCC Class B, ICES Class B, CE (EMC, LVD, RoHS), C-Tick, VCCI Class B, UL, cUL, TUV/GS, CB, Mexico CoC by UL, WEEE, REACH, KCC/MSIP	FCC Class B, ICES Class B, CE (EMC, LVD, RoHS), C-Tick, VCCI Class B, UL, cUL, TUV/GS, CB, Mexico CoC by UL, WEEE, REACH, KCC/MSIP	FCC Class B, ICES Class B, CE (EMC, LVD, RoHS), C-Tick, VCCI Class B, UL, cUL, TUV/GS, CB, Mexico CoC by UL, WEEE, REACH, KCC/MSIP	FCC Class B, ICES Class B, CE (EMC, LVD, RoHS), C-Tick, VCCI Class B, UL, cUL, TUV/GS, CB, Mexico CoC by UL, WEEE, REACH, BSMI, KCC/MSIP	FCC Class A, ICES Class A, CE (EMC, LVD, RoHS), C-Tick, VCCI Class A, UL cUL, TUV/GS, CB, Mexico CoC by UL, WEEE, REACH, KCC/MSIP
Regulatory model (wireless)	APL41-0BA	APL28-0B5	APL28-0B5	APL29-0B7	-
Major regulatory compliance (wireless models)	FCC Class B, FCC RF ICES Class B, IC RF CE (R&TTE, EMC, LVD, RoHS), RCM, VCCI Class B, MIC/TELEC, UL, cUL, TUV/GS, CB, Mexico CoC by UL, WEEE, REACH	FCC Class B, FCC RF ICES Class B, IC RF CE (R&TTE, EMC, LVD, RoHS), RCM, VCCI Class B, MIC/TELEC, UL, cUL, TUV/GS, CB, Mexico CoC by UL, WEEE, REACH	FCC Class B, FCC RF ICES Class B, IC RF CE (R&TTE, EMC, LVD, RoHS), RCM, VCCI Class B, MIC/TELEC, UL, cUL, TUV/GS, CB, Mexico CoC by UL, WEEE, REACH	FCC Class B, FCC RF ICES Class B, IC RF CE (R&TTE, EMC, LVD, RoHS), RCM, VCCI Class B, MIC/TELEC, UL, cUL, TUV/GS, CB, Mexico CoC by UL, WEEE, REACH	-

SonicWall TZ series con't

Integrated Wireless	SOHO series	TZ300, TZ400, TZ500 series	TZ600
Standards	802.11 a/b/g/n	802.11a/b/g/n/ac (WEP, WPA, WPA2, 802.11i, TKIP, PSK, 02.1x, EAP-PEAP, EAP-TTLS)	-
Frequency bands ⁵	802.11a: 5.180-5.825 GHz; 802.11b/g: 2.412-2.472 GHz; 802.11n: 2.412-2.472 GHz, 5.180-5.825 GHz;	802.11a: 5.180-5.825 GHz; 802.11b/g: 2.412-2.472 GHz; 802.11n: 2.412-2.472 GHz, 5.180-5.825 GHz; 802.11ac: 2.412-2.472 GHz, 5.180-5.825 GHz	-
Operating Channels	802.11a: US and Canada 12, Europe 11, Japan 4, Singapore 4, Taiwan 4; 802.11b/g: US and Canada 1-11, Europe 1-13, Japan 1-14 (14-802.11b only); 802.11n (2.4 GHz): US and Canada 1-11, Europe 1-13, Japan 1-13; 802.11n (5 GHz): US and Canada 36-48/149-165, Europe 36-48, Japan 36-48, Spain 36-48/52-64;	802.11a: US and Canada 12, Europe 11, Japan 4, Singapore 4, Taiwan 4; 802.11b/g: US and Canada 1-11, Europe 1-13, Japan 1-14 (14-802.11b only); 802.11n (2.4 GHz): US and Canada 1-11, Europe 1-13, Japan 1-13; 802.11n (5 GHz): US and Canada 36-48/149-165, Europe 36-48, Japan 36-48, Spain 36-48/52-64; 802.11ac: US and Canada 36-48/149-165, Europe 36-48, Japan 36-48, Spain 36-48/52-64	-
Transmit output power	Based on the regulatory domain specified by the system administrator	Based on the regulatory domain specified by the system administrator	-
Transmit power control	Supported	Supported	-
Data rates supported	802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps per channel; 802.11b: 1, 2, 5.5, 11 Mbps per channel; 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps per channel; 802.11n: 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2, 15, 30, 45, 60, 90, 120, 135, 150 Mbps per channel;	802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps per channel; 802.11b: 1, 2, 5.5, 11 Mbps per channel; 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps per channel; 802.11n: 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2, 15, 30, 45, 60, 90, 120, 135, 150 Mbps per channel; 802.11ac: 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2, 86.7, 96.3, 15, 30, 45, 60, 90, 120, 135, 150, 180, 200, 32.5, 65, 97.5, 130, 195, 260, 292.5, 325, 390, 433.3, 65, 130, 195, 260, 390, 520, 585, 650, 780, 866.7 Mbps per channel	-
Modulation technology spectrum	802.11a: Orthogonal Frequency Division Multiplexing (OFDM); 802.11b: Direct Sequence Spread Spectrum (DSSS); 802.11g: Orthogonal Frequency Division Multiplexing (OFDM)/Direct Sequence Spread Spectrum (DSSS); 802.11n: Orthogonal Frequency Division Multiplexing (OFDM)	802.11a: Orthogonal Frequency Division Multiplexing (OFDM); 802.11b: Direct Sequence Spread Spectrum (DSSS); 802.11g: Orthogonal Frequency Division Multiplexing (OFDM)/Direct Sequence Spread Spectrum (DSSS); 802.11n: Orthogonal Frequency Division Multiplexing (OFDM); 802.11ac: Orthogonal Frequency Division Multiplexing (OFDM)	-

*Future use.

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.

⁴ BGP is available only on SonicWall TZ400, TZ500 and TZ600.

⁵ All TZ integrated wireless models can support either 2.4GHz or 5GHz band. For dual-band support, please use SonicWall's wireless access points products (SonicPoints)

SonicWall WAN Acceleration Appliance (WXA) series

	WXA 500 Software	WXA 2000	WXA 4000	WXA 5000 Virtual Appliance	WXA 6000 Software
Platform	Software ⁵	Hardware appliance	Hardware appliance	Virtual appliance	Software ⁵
Maximum users ¹	20	120	240	360	2,000
Maximum connections	100	600	1,200	1,800 ³	10,000
Maximum web caching connections	100	600	1,200	1,800 ³	10,000
Included/maximum concurrent WXA client licenses ⁴	2/20	2/50	2/125	2/125	2/125
Byte caching	Yes				
TCP/file compression	Yes				
Management	Requires SonicOS 5.8.1 or later				
Clustering ⁶	—	Yes	Yes	Yes	Yes
CIFS/SMB acceleration	Yes ²	Yes			
Signed SMB support	Yes				
WFS/TCP visualization	Yes				
SNMP	Yes				
Syslog	Yes				
Operating system	Hardened SonicWall Linux OS				
Rack-mount chassis	—	1 RU		—	
CPU	—	Intel 2.0GHz	Intel Dual Core 2.0GHz	—	
RAM	—	2 GB	4 GB	—	
Hard drive	—	250 GB	2x250 GB	—	
Redundant Disk Array (RAID)	—		RAID 1	—	
Dimensions	—	17.0 x 16.4 x 1.7 in/43.18 x 41.59 x 4.44 cm		—	—
Weight	—	16 lbs/7.26 kg			—
WEEE weight	—	16 lbs/7.37 kg			—
Power consumption (watts)	—	86	101	—	
BTUs	—	293	344	—	
MTBF (years)	—	14.27			—

	WXA 500 Software only	WXA 6000 Software only
Dell hardware	Dell Inspiron 3847, Dell XPS 8700	Dell PowerEdge R320 Server

WXA 5000 Virtual Appliance only		
Hypervisor	VMware ESX or ESXi version 5.0 or higher	Microsoft Windows Server 2012 or 2012 R2 with the Hyper-V role enabled
Virtual appliance requirements	SonicWall WXA release notes	
VMware Hardware Compatibility Guide	vmware.com/resources/compatibility/search.php	

¹Maximum users may vary depending on the number of connections being generated per user.

²CIFS/SMB acceleration is available only when the WXA software image is installed on the supplied Dell hardware.

³The max number of connections is dependent on the hardware specifications and may vary depending on the hardware configuration. The specifications provided are the minimum requirements to run the WXA Virtual Appliance.

⁴NetExtender is required in order to use the WXA client software. Please refer to the WXA release notes for supported operating systems.

⁵The WXA 500 and 6000 software can be downloaded from www.mysonicwall.com and requires specific Dell hardware in order to operate.

⁶Requires SonicOS 6.2 or higher.

SonicWall SonicWave Series

Hardware Specifications	SonicWave 432e	SonicWave 432i	SonicWave 432o
Location	Indoor	Indoor	Outdoor
Dimensions	8.5 (D) x 2.0 (H) in 21.6 (D) x 5.1 (H) cm	8.5 (D) x 2.0 (H) in 21.6 (D) x 5.1 (H) cm	9.5 (W) x 9.3 (D) x 2.4 (H) in 24.1 (W) x 23.6 (D) x 6.1 (H) cm
Weight	1.1 kg / 2.5 lbs	1.0 kg / 2.2 lbs	2.2 kg / 4.9 lbs
WEEE weight	1.4 kg / 3.1 lbs	1.2 kg / 2.6 lbs	4.1 kg / 9.1 lbs
Shipping weight	1.7 kg / 3.8 lbs	1.5 kg / 3.3 lbs	4.7 kg / 10.4 lbs
PoE injector	802.3at		
Maximum power consumption (W)	18.8 W	18.8 W	21.2 W
Status indicators	Six (6) LED (WLAN/Link) (LAN/Link) Power, Test		
Antennas	4+4 (SMA 2.4 GHz + TNC 5 GHz)	8 fully internal	8 N-type dipole
Wired network ports	(1) 10/100/1000 auto-sensing RJ-45 for Ethernet and Power over Ethernet (PoE); (1) 100/1000/2.5 GbE auto-sensing RJ-45 for Ethernet; (1) RJ-45 console; (1) USB 2.0 (except 432o)		
Accessories included	Wall/ceiling mount kit		
Virtual access points	Up to 8 per access point		
Chassis	UL 1024 plenum rated		
Standards and compliance	SonicWave 432e	SonicWave 432i	SonicWave 432o
IEEE Standard	802.11a/b/g/n/ac Wave 2		
Compliance	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11e, IEEE 802.11i, IEEE 802.3at, IEEE 802.3bz, WPA, TKIP, AES		
Regulatory	FCC/ICES Class B, CE, RCM/ACMA, VCCI Class B, TELEC, BSMI, NCC, MSIP, ANATEL, Customs Union, RoHS (Europe/China), WEEE		
MIMO	MU-MIMO 4x4 (4 streams)		
Max/Recommended connected clients per radio	128/30	128/30	128/30
Safety	UL, cUL, TUV/GS, CB, CE, BSMI, Mexico CoC, Customs Union		
Environmental	SonicWave 432e	SonicWave 432i	SonicWave 432o
Temperature range	32 to 104°F, 0 to 40°C		-40 to 140°F, -40 to 60°C
Humidity	10 - 95%, non-condensing		
Radio specifications	SonicWave 432e/432i/432o		
Radios	Dual: 4x4 11n + 4x4 11ac MU-MIMO; Dedicated third scanning radio; Bluetooth Low Energy radio		
Frequency bands	802.11a: 5.180-5.825 GHz 802.11b/g: 2.412-2.472 GHz 802.11n: 2.412-2.472 GHz, 5.180-5.825 GHz 802.11ac: 2.412-2.472 GHz, 5.180-5.825 GHz		
Operating channels	802.11a: US and Canada 12, Europe 11, Japan 4, Singapore 4, Taiwan 4 802.11b/g: US and Canada 1-11, Europe 1-13, Japan 1-14 (14-802.11b only) 802.11n (2.4 GHz): US and Canada 1-11, Europe 1-13, Japan 1-13 802.11n (5 GHz): US and Canada 36-48/149-165, Europe 36-48, Japan 36-48, Spain 36-48/52-64 802.11ac: US and Canada 36-48/149-165, Europe 36-48, Japan 36-48, Spain 36-48/52-64		
Transmit output power	Based on the regulatory domain specified by the system administrator		
Transmit power control	Supported		
Data rates supported	802.11a: 6,9,12,18,24,36,48,54 Mbps per channel 802.11b: 1,2,5,11 Mbps per channel 802.11g: 6,9,12,18,24,36,48,54 Mbps per channel 802.11n: 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2, 86.7, 96.3, 115, 130, 150, 180, 200, 32.5, 65, 97.5, 130, 195, 260, 292.5, 325, 390, 433.3, 65, 130, 195, 260, 390, 520, 585, 650, 780, 866.7, 1040, 1170, 1300, 1560, 1733.4 Mbps per channel		
Modulation technology spectrum	802.11a: Orthogonal Frequency Division Multiplexing (OFDM) 802.11b: Direct Sequence Spread Spectrum (DSSS) 802.11g: Orthogonal Frequency Division Multiplexing (OFDM)/Direct Sequence Spread Spectrum (DSSS) 802.11n: Orthogonal Frequency Division Multiplexing (OFDM) 802.11ac: Orthogonal Frequency Division Multiplexing (OFDM)		
Security	SonicWave 432e/432i/432o		
Data encryption	WPA2, IPsec*, 802.11i, WPA, 64/128/152-bit WEP, TKIP, AES, SSL VPN**		
Authentication	SonicWave 432e/432i/432o		
Authentication	RADIUS, Active Directory, single sign-on (SSO)		

*When used with a SonicWall firewall

**When used with SonicWall Secure Mobile Access Series appliance

SonicWave Series PoE Injector Specifications

Hardware Specifications		SonicWave 432e/432i/432o
Number of ports	2: (1) Data In; (1) data and power out	
Dimensions	1.69 (H) x 3.46 (W) x 6.54 (L) in; (43 (H) x 87.9 (W) x 166 (L) mm	
Weight	0.91 lbs/(0.41 kg)	
WEEE weight	1.2 lbs/(0.54 kg)	
Shipping weight	1.28 lbs/(0.58 kg)	
Connectors	Shielded RJ-45, EIA 568A and 568B	
Status Indicators	LED indicator: Power On (yellow); Power supplied over Ethernet (green); Over current/short circuit (blinking green)	
Data rates	10/100/1000 Mbps/2.5 GbE	
Power over LAN output		SonicWave 432e/432i/432o
Pin assignment and polarity	4/5 (+), 7/8 (-)	
Output power voltage	-55 VDC	
Maximum output power	30 W	
Input power requirements		SonicWave 432e/432i/432o
AC input voltage	100 to 240 VAC	
AC frequency	50 to 60 Hz	
AC input current	1.5A at 100-240 VAC	
Standards and compliance		SonicWave 432e/432i/432o
Regulatory compliance	CE, EN 55022 Class B (Emissions), FCC Part 15 Class B, EN 55024 (Immunity), VCCI	
Safety	UL/CUL 60950-1, GS Mark per IEC 60950-1	
Environmental	RoHS, WEEE	
Environmental requirements		SonicWave 432e/432i/432o
Operating ambient temperature	14 to 113 °F, -10 to 40 °C	
Operating humidity	Maximum 90%, non-condensing	
Storage temperature	-4 to 158 °F, -20 to 70 °C	
Storage humidity	Maximum 95%, non-condensing	

SonicWall SonicPoint Series

Hardware Specifications	SonicPoint ACe	SonicPoint ACi	SonicPoint N2
Location	Indoor	Indoor	Indoor
Dimensions	6.9 (D) x 1.5 (H) in 17.5 (D) x 3.8 (H) cm	6.9 (D) x 1.5 (H) in 17.5 (D) x 3.8 (H) cm	6.9 (D) x 1.5 (H) in 17.5 (D) x 3.8 (H) cm
Weight	0.53 kg / 1.2 lbs	0.48 kg / 1.1 lbs	0.53 kg / 1.2 lbs
WEEE weight	1.2 kg / 2.6 lbs	0.53 kg / 1.2 lbs	0.74 kg / 1.6 lbs
Shipping weight	1.74 kg / 3.8 lbs	0.79 kg / 1.8 lbs	1.1 kg / 2.4 lbs
PoE injector	802.3at		
Power supply	802.3at + AC Adapter (12 v)	802.3at PoE	802.3at PoE
Maximum power consumption (W)	15.2 W	15.6 W	13.7 W
Status indicators	Six (6) LED (WLAN/Link) (LAN/Link) Power, Test		
Antennas	3+3 (SMA 2.4 GHz + TNC 5 GHz)	6 fully internal	3+3 (SMA 2.4 GHz + TNC 5 GHz)
Wired network ports	(2) 10/100/1000 auto-sensing RJ-45 for Ethernet and Power over Ethernet (PoE); (1) RJ-45 console; (1) USB 2.0		
Accessories included	Wall/ceiling mount kit		
Virtual access points	Up to 8 per SonicPoint		
Chassis	UL 2043 plenum rated		
Standards and compliance	SonicPoint ACe	SonicPoint ACi	SonicPoint N2
IEEE Standard	802.11a/b/g/n/ac	802.11a/b/g/n/ac	802.11a/b/g/n
Compliance	IEEE 802.11i, IEEE 802.3e, IEEE 802.3i, IEEE 802.3at, WPA/WPA2, TKIP, AES		
Regulatory	FCC/ICES Class B, CE, RCM/ACMA, VCCI Class B, TELEC, BSMI, NCC, MSIP, ANATEL, Customs Union, RoHS (Europe/China), WEEE		
MIMO	SU-MIMO 3x3 (3 streams)		
Max/Recommended connected clients per radio	128/30	128/30	128/30
Certifications	WiFi, Dynamic Frequency Selection (DFS)		
Safety	UL, cUL, TUV/GS, CB, CE, BSMI, Mexico CoC, Customs Union		
Environmental	SonicPoint ACe/ACi/N2		
Temperature range	32 to 104°F, 0 to 40°C		
Humidity	10 - 95%, non-condensing		
Radio specifications	SonicPoint ACe	SonicPoint ACi	SonicPoint N2
Radios	Dual: 3x3 11n + 3x3 11ac		Dual: 3x3 11n + 3x3 11n
Frequency bands	802.11a: 5.180-5.825 GHz 802.11b/g: 2.412-2.472 GHz 802.11n: 2.412-2.472 GHz, 5.180-5.825 GHz **802.11ac: 2.412-2.472 GHz, 5.180-5.825 GHz		
Operating channels	802.11a: US and Canada 12, Europe 11, Japan 4, Singapore 4, Taiwan 4 802.11b/g: US and Canada 1-11, Europe 1-13, Japan 1-14 (14-802.11b only) 802.11n (2.4 GHz): US and Canada 1-11, Europe 1-13, Japan 1-13 802.11n (5 GHz): US and Canada 36-48/149-165, Europe 36-48, Japan 36-48, Spain 36-48/52-64 **802.11ac: US and Canada 36-48/149-165, Europe 36-48, Japan 36-48, Spain 36-48/52-64		
Transmit output power	Based on the regulatory domain specified by the system administrator		
Transmit power control	Supported		
Data rates supported	802.11a: 6,9,12,18,24,36,48,54 Mbps per channel 802.11b: 1,2,5,5,11 Mbps per channel 802.11g: 6,9,12,18,24,36,48,54 Mbps per channel 802.11n: 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2, 15, 30, 45, 60, 90, 120, 135, 150 Mbps per channel **802.11ac: 7.2, 14.4, 21.7, 28.9, 43.3, 57.8, 65, 72.2, 86.7, 96.3, 15, 30, 45, 60, 90, 120, 135, 150, 180, 200, 32.5, 65, 97.5, 130, 195, 260, 292.5, 325, 390, 433.3, 65, 130, 195, 260, 390, 520, 585, 650, 780, 866.7 Mbps per channel		
Modulation technology spectrum	802.11a: Orthogonal Frequency Division Multiplexing (OFDM) 802.11b: Direct Sequence Spread Spectrum (DSSS) 802.11g: Orthogonal Frequency Division Multiplexing (OFDM)/Direct Sequence Spread Spectrum (DSSS) 802.11n: Orthogonal Frequency Division Multiplexing (OFDM) **802.11ac: Orthogonal Frequency Division Multiplexing (OFDM)		

SonicPoint Series con't

Security		SonicPoint ACe/ACi/N2
Data encryption		WPA2; IPSec, 802.11i, WPA; 64/128/152-bit WEP, TKIP, AES, SSL VPN*
Authentication		SonicPoint ACe/ACi/N2
Authentication		RADIUS, Active Directory, single sign-on (SSO)
Security		SonicPoint ACe/ACi/N2
Data encryption		WPA2; IPSec, 802.11i, WPA; 64/128/152-bit WEP, TKIP, AES, SSL VPN*
Authentication		SonicPoint ACe/ACi/N2
Authentication		RADIUS, Active Directory, single sign-on (SSO)

*When used with SonicWall Secure Remote Access Series appliance

**Available on SonicPoint ACe and SonicPoint ACi only

SonicPoint Series PoE Injector

Hardware Specifications		SonicPoint ACe/ACi/N2
Number of ports		2: (1) Data In; (1) data and power out
Dimensions		1.22 (H) x 1.97 (W) x 6.30 (L) in; (31 (H) x 50 (W) x 160 (L) mm
Weight		0.5 lbs/(0.3 kg)
WEEE weight		0.85 lbs/(0.38 kg)
Shipping weight		0.87 lbs/(0.4 kg)
Connectors		Shielded RJ-45, EIA 568A and 568B
Status Indicators		System indicator: AC power (yellow); User indicator: channel power active (green)
Data rates		10/100/1000 Mbps
Power over LAN output		SonicPoint ACe/ACi/N2
Pin assignment and polarity		4/5 (+), 7/8 (-)
Output power voltage		-48 VDC
Maximum output power		30 W
Input power requirements		SonicPoint ACe/ACi/N2
AC input voltage		100 to 240 VAC
AC frequency		50 to 60 Hz
AC input current		0.8A at 100-240 VAC
Standards and compliance		SonicPoint ACe/ACi/N2
Regulatory compliance		CB, S Mark, RCM, ICES, cUL, CCC, CE, GS, BIS, PSE, MOM, EAC, KCC/MSIP, BSMI, UL, FCC
Electromagnetic emission and immunity		Class B emission level, EN 55022, CISPR 22, FCC Part 15
Safety		IEC/EN/UL 60950-1
Environmental		EU RoHS, China RoHS, EU WEEE, DOE Level VI, MEPS
Environmental requirements		SonicPoint ACe/ACi/N2
Operating ambient temperature		32 to 104 °F, 0 to 40 °C
Operating humidity		Maximum 90%, non-condensing
Storage temperature		-4 to 158 °F, -20 to 70 °C
Storage humidity		Maximum 95%, non-condensing

SonicWall Secure Mobile Access (SMA)

Physical appliance specifications

Performance	SMA 200	SMA 400	SMA 6200	SMA 7200	SRA EX9000
Concurrent sessions/Users	Up to 50	Up to 250	Up to 2,000	Up to 10,000	Up to 20,000
SSL VPN Throughput* (at max CCU)	Up to 100 Mbps	Up to 368 Mbps	Up to 400 Mbps	Up to 3.75 Gbps	Up to 3.75 Gbps
Form factor	1U	1U	1U	1U	2U
Dimensions	16.92 x 10.23 x 1.75 in (43x26x4.5cm)	16.92 x 10.23 x 1.75 in (43x26x4.5cm)	17.0 x 16.5 x 1.75 in (43 x 41.5x 4.5 cm)	17.0 x 16.5 x 1.75 in (43 x 41.5x 4.5 cm)	27.0 x 18.9 x 3.4 in (68.6 x 48.2x 8.8 cm)
Appliance weight	11 lbs (5 kgs)	11 lbs (5 kgs)	16 lbs (7.3 kgs)	18.3 lbs (8.3 kgs)	49.1 lbs (22.3 kgs)
Encryption data acceleration (AES-NI)	NO	NO	YES	YES	YES
Dedicated management port	NO	NO	YES	YES	YES
SSL acceleration	NO	NO	YES	YES	YES
Storage	2GB (Flash Memory)	2GB (Flash Memory)	2 X 500 GB SATA	2 X 500 GB SATA	2 X 2TB SATA
Interfaces	(2) GB Ethernet, (2) USB, (1) console	(4) GB Ethernet, (2) USB, (1) console	6 (6-port 1GE)	8 (6-port 1GE + 2-port 10Gb SFP+)	12 (8-port 1GE + 4-port 10Gb SFP+)
Memory	2GB	4GB	8GB DDR3	16GB DDR3	32 GB DDR3
TPM chip	NO	NO	YES	YES	NO
Processor	2 cores	4 cores	4 cores	4 cores	2 X 4 cores
MTBF (@ 25°C or 77°F) in hours	61,815	60,151	200,064	233,892	129,489
Operations and Compliance	SMA 200	SMA 400	SMA 6200	SMA 7200	SRA EX9000
Power	Fixed power supply	Fixed power supply	Fixed power supply	Dual power supply, hot swappable	Dual power supply, hot swappable
Input rating	100-240VAC, 50-60MHz	100-240VAC, 50-60MHz	100-240 VAC, 1.1 A	100-240 VAC, 1.79 A	100-240 VAC, 2.8.5 A
Power consumption	26.9 W	31.9 W	78 W	127 W	320 W
Total heat dissipation	92 BTU	109 BTU	266 BTU	432 BTU	1091 BTU
Environmental	WEEE, EU RoHS, China RoHS				
Non-operating shock	110 g, 2 msec				
Emissions	FCC, ICES, CE, C-Tick, VCCI; MIC				
Safety	TUV/GS, UL, CE PSB, CCC, BSMI, CB scheme				
Operating temperature	0°C to 40°C (32°F to 104° F)				
FIPS certification	NO	NO	FIPS 140-2 Level 2 with anti-tamper protection		
* Throughput performance may vary based on deployment and connectivity. Published numbers are based on internal lab conditions					

Virtual appliance specifications

Specifications	SMA 500v (ESX/ESXI)	SMA 8200v (ESX/ESXI)	SMA 8200v (Hyper-V)
Concurrent sessions	Up to 250 users	Up to 5000	Up to 250
SSL-VPN throughput* (at max CCU)	Up to 186 Mbps	Up to 1.58 Gbps	Up to 1.2 Gbps
Allocated memory	2GB	8 GB	
Processor	1 core	4 cores	
SSL acceleration	NO	YES	
Applied disk size	2GB	64 GB (default)	Admin Configurable
Operating system installed	Linux	Hardened Linux	
Dedicated management port	NO	YES	

* Throughput performance may vary based on deployment and connectivity. Published numbers are based on internal lab conditions. SMA 8200v on Hyper-V scales up to 5000 concurrent sessions and provides up to 1.58 Gbps SSL-VPN throughput when running SMA OS 12.1 with Windows Server 2016

SonicWall Email Security

Features

	APPLIANCE, VIRTUAL APPLIANCE	WINDOWS SERVER®
Complete inbound and outbound email protection		
Anti-spam effectiveness	Yes	Yes
Connection management with advanced IP reputation	Yes	Yes
Phishing detection, classification, blocking	Yes	Yes
Directory harvest, denial of service, NDR protection	Yes	Yes
Anti-spoofing with support for SPF, DKIM and DMARC	Yes	Yes
Policy rules for user, group, all	Yes	Yes
In memory message transfer agent (MTA) for enhanced throughput	Yes	Yes
Complete inbound and outbound protection in a single system	Yes	Yes
Easy administration		
Installation	< 1 hour	< 1 hour
Management per week	< 10 min	< 10 min
Automatic multi-LDAP sync for users, groups	Yes	Yes
Compatible with all SMTP email servers	Yes	Yes
SMTP Authentication support (SMTP AUTH)	Yes	Yes
Allow/deny end user controls	Yes	Yes
Customize, schedule and email 30+ reports	Yes	Yes
Judgment details	Yes	Yes
At-a-glance, customizable management dashboard	Yes	Yes
Rapid message search engine	Yes	Yes
Scalable split-mode architecture	Yes	Yes
Clustering and remote clustering	Yes	Yes
Easy for end users		
Single sign-on	Yes	Yes
Per user junk boxes, junk box summary actionable email	Yes	Yes
Per user anti-spam aggressiveness, block/allow lists	Yes	Yes
Email protection subscription with dynamic support-required		
SonicWall GRID anti-virus, anti-spam, anti-phishing auto-updates every minute	Yes	Yes
24x7 support	Yes	Yes
RMA (appliance replacement)	Yes	Yes
Software/firmware updates	Yes	Yes
Anti-virus subscription—optional		
McAfee and Cyren Anti-virus	Yes	Yes
SonicWall TimeZero anti-virus	Yes	Yes
Zombie detection	Yes	Yes
Compliance subscription—optional		
Robust policy management,	Yes	Yes
Attachment scanning	Yes	Yes
Record ID matching	Yes	Yes
Dictionaries	Yes	Yes
Approval boxes/workflow	Yes	Yes
Email archiving	Yes	Yes
Compliance reporting	Yes	Yes
Encryption subscription—optional		
Compliance subscription capabilities plus policy-enforced email encryption and secure email exchange	Yes	Yes
Total Secure subscription—optional		
Includes email protection dynamic 24x7 subscription plus multi-layer anti-virus (McAfee and Cyren), malicious URL detection and compliance management subscription features	Yes	Yes
Ransomware & Zero-day protection - optional		
SonicWall Capture ATP add-on for Total Secure bundle	Yes	Yes
Advanced Total Secure subscription - optional		
Includes SonicWall Capture ATP, in addition to the Total Secure bundle	Yes	Yes

SonicWall Email Security

System Specifications

EMAIL SECURITY APPLIANCES	5000	7000	9000
Domains	Unrestricted		
Operating system	Hardened SonicWall Linux OS appliance		
Rackmount chassis	1RU	1RU	1RU
CPU(s)	Celeron G1820	i3-4330	E3-1275 v3
RAM	8 GB	16 GB	32 GB
Hard drive	500 GB	1 TB	1 TB
Redundant disk array (RAID)	–	RAID 1	RAID 5
Hot swappable drives	No	Yes	Yes
Redundant power supply	No	No	Yes
SAFE Mode Flash	Yes	Yes	Yes
Dimensions	17.0 x 16.4 x 1.7 in 43.18 x 41.59 x 4.44 cm	17.0 x 16.4 x 1.7 in 43.18 x 41.59 x 4.44 cm	27.5 x 19.0 x 3.5 in 69.9 x 48.3 x 8.9 cm
Weight	16 lbs / 7.26 kg	16 lbs / 7.26 kg	50.0 lbs/ 22.7 kg
WEEE weight	16 lbs / 7.37 kg	16 lbs / 22.2 kg	48.9 lbs/ 22.2 kg
Power consumption (watts)	46	48	158
BTUs	155	162	537
MTBF @25C in hours	130,919	150,278	90,592
MTBF @25C in years	14.9	17.2	10.3
Email Security Software			
Domains	Unrestricted		
Operating system	Microsoft Hyper-V Server 2012 (64-bit) or higher Windows Server 2008 R2 or higher x64 bit only		
CPU	Intel or AMD 64-bit processor		
RAM	8 GB minimum configuration		
Hard drive	160 GB minimum configuration		
Email Security Virtual Appliance			
Hypervisor	ESXi™ and ESX™ (version 5.0 and newer)		
Operating system installed	8 GB (expandable)		
Allocated memory	4 GB		
Appliance disk size	160 GB (expandable)		
VMware hardware compatibility guide	http://www.vmware.com/resources/compatibility/search.php		

Features

COMPLETE INBOUND AND OUTBOUND EMAIL PROTECTION	
SonicWall Capture Advanced Threat Protection	Yes
Anti-spam effectiveness	Yes
Sender IP reputation	Yes
Directory harvest, denial of service, protection	Yes
GRID reputation services	Yes
SonicWall GRID Anti-Virus	Yes
SonicWall Time-Zero	Yes
Premium Anti-Virus (McAfee and Cyren)	Yes
Malicious URL detection	Yes
Phishing detection, classification, blocking	Yes
Zombie detection, flood protection	Yes
Policy rules	Yes
EASY ADMINISTRATION	
Automated provisioning and setup	Yes
Reputation auto-updates	Yes
Anti-spam auto-updates	Yes
Automatic upgrades and maintenance	Yes
GRID A/V auto-updates	Yes
Customize, schedule and email reports	Yes
Automatic LDAP Sync	Yes
Rapid message search engine	Yes
EASY FOR END-USERS	
SMTP Auth for inbound/outbound	Yes
Allow/deny all end user controls	Yes
Per user junk boxes	Yes
Per user anti-spam aggressiveness	Yes
Per user allowed/blocked lists	Yes
Junk box summaries in 15 languages	Yes
Judgement details	Yes
SYSTEM FEATURES	
Compatible with all SMTP email servers	Yes
SMTP Authentication support (SMPT AUTH)	Yes
Unrestricted domains supported	Yes
15 days of junk email retention	Yes
Email spooling up to 4 days	Yes
COMPLIANCE POLICY AND MANAGEMENT	
Attachment scanning	Yes
Record ID matching	Yes
Dictionaries	Yes
Approval boxes/workflow	Yes
Compliance reporting	Yes

SonicWall Hosted Email Security

Features con't

EMAIL ENCRYPTION SERVICE FOR HOSTED EMAIL SECURITY - OPTIONAL	
Policy-enforced secure email exchange	Yes
Works natively on mobile devices (no app required)	Yes
Outlook Send Secure add-on button	Yes
Quickly encrypts file attachments up to 100MB	Yes
Send messages directly to recipient with nothing for them to install	Yes
Message notification includes link to auto-provisioned recipient accounts	Yes
Replies are automatically decrypted into sender's inbox	Yes
Built in tracking of all messages and files sent, received, and opened	Yes
Rebrand encrypted email	Yes
Reporting and monitoring	Yes
500 MB per company	Yes
Industry-standard, compliance-grade encryption: AES 256, TLS	Yes
No keys to manage or lose	Yes
Portal localized in ten languages including English, French, Italian, German, Spanish, Japanese, Brazilian Portuguese, Simplified & Mandarin Chinese, and Korean	Yes
Outlook 2010/2013/2016 support	Yes
SSAE 16, SAS 70 Type II & Fedramp Certified Data Center	Yes
SUPPORT AND SERVICES	
24x7 email and phone support	Yes
Multiple data centers	Yes

SonicWall Global Management System

Minimum system requirements

Below are the minimum requirements for SonicWall GMS with respect to the operating systems, databases, drivers, hardware and SonicWall-supported appliances:

Operating system

Windows Server 2016

Windows Server 2012 Standard 64-bit

Windows Server 2012 R2 Standard 64-bit (English and Japanese language versions)

Windows Server 2012 R2 Datacenter

Hardware requirements

Use the GMS Capacity Calculator to determine the hardware requirements for your deployment.

Virtual appliance requirements

Hypervisor: ESXi 6.5, 6.0 or 5.5

Use the GMS Capacity Calculator to determine the hardware requirements for your deployment.

VMware Hardware Compatibility Guide:

<http://www.vmware.com/resources/compatibility/search.php>

Supported databases

External databases: Microsoft SQL Server 2012 and 2014

Bundled with the GMS application: MySQL

Internet browsers

Microsoft® Internet Explorer 11.0 or higher (do not use compatibility mode)

Mozilla Firefox 37.0 or higher

Google Chrome 42.0 or higher

Safari (latest version)

GMS gateway

SonicWall SuperMassive™ E10000 Series, SonicWall SuperMassive™ 9000 Series, E-Class Network Security Appliance (NSA), and NSA Series

Supported SonicWall appliances managed by GMS

SonicWall Network Security Appliances: SuperMassive E10000 and 9000 Series, E-Class NSA, NSA, and TZ Series appliances®

SonicWall Secure Mobile Access (SMA) appliances: SMA Series and E-Class SRA

SonicWall Email Security appliances

All TCP/IP and SNMP-enabled devices and applications for active monitoring

SonicWall Analyzer

Operating system

Windows Server 2016
Windows Server 2012 Standard 64-bit
Windows Server 2012 R2 Standard 64-bit (English and Japanese language versions)
Windows Server 2012 R2 Datacenter
Windows 10
Windows 8.1 64-bit
Windows 7 64-bit

Hardware requirement for Analyzer server

Minimum Requirements: Single Core 3 GHz x86 Processor, 4 GB RAM, 100 GB HDD

Internet browsers

Microsoft® Internet Explorer 11.0 or higher
Mozilla Firefox 37.0 or higher
Google Chrome 42.0 and above
Safari (latest version)

Virtual appliance

Hypervisor: VMware® ESXi 6.5, 6.0 and 5.5

Use the GMS Capacity Calculator to determine the hardware requirements for your deployment.

VMware Compatibility Guide:

www.vmware.com/resources/compatibility/search.php

Supported SonicWall appliances

SonicWall Next-Generation Firewalls: SuperMassive™ Series, E-Class Network Security Appliance (NSA) Series, NSA Series and TZ Series
SonicWall Secure Mobile Access (SMA) appliances: SMA Series and E-Class SRA
SonicWall Email Security appliances

Supported SonicWall firmware

SonicWall SuperMassive E10000 Series: SonicOS 6.0 or higher
SonicWall SuperMassive 9000 Series: SonicOS 6.1 or higher
SonicWall E-Class NSA and NSA Series: SonicOS 5.0 or higher
SonicWall TZ Series: SonicOS 5.0 or higher
SonicWall SOHO Series: SonicOS 6.2.6 or higher
SonicWall Secure Mobile Access Series: Firmware 10.7.2 or higher
SonicWall SRA for SMB: Firmware 2.0 or higher
SonicWall Aventail™ E-Class SRA: Firmware 9.0 or higher
SonicWall Email Security: Firmware 7.2 or higher

© 2017 SonicWall Inc. ALL RIGHTS RESERVED.

SonicWall is a trademark or registered trademark of SonicWall Inc. and/or its affiliates in the U.S.A. and/or other countries. All other trademarks and registered trademarks are property of their respective owners.

The information in this document is provided in connection with SonicWall Inc. and/or its affiliates' products. No license, express or implied, by estoppel or otherwise, to any intellectual property right is granted by this document or in connection with the sale of SonicWall products. EXCEPT AS SET FORTH IN THE TERMS AND CONDITIONS AS SPECIFIED IN THE LICENSE AGREEMENT FOR THIS PRODUCT, SONICWALL AND/OR ITS AFFILIATES ASSUME NO LIABILITY WHATSOEVER AND DISCLAIMS ANY EXPRESS, IMPLIED OR STATUTORY WARRANTY RELATING TO ITS PRODUCTS INCLUDING,

BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NON- INFRINGEMENT. IN NO EVENT SHALL SONICWALL AND/OR ITS AFFILIATES BE LIABLE FOR ANY DIRECT, INDIRECT, CONSEQUENTIAL, PUNITIVE, SPECIAL OR INCIDENTAL DAMAGES (INCLUDING, WITHOUT LIMITATION, DAMAGES FOR LOSS OF PROFITS, BUSINESS INTERRUPTION OR LOSS OF INFORMATION) ARISING OUT OF THE USE OR INABILITY TO USE THIS DOCUMENT, EVEN IF SONICWALL AND/OR ITS AFFILIATES HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SonicWall and/or its affiliates make no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. SonicWall Inc. and/or its affiliates do not make any commitment to update the information contained in this document.

About Us

SonicWall has been fighting the cyber-criminal industry for over 25 years, defending small, medium size businesses and enterprises worldwide. Our combination of products and partners has enabled a real-time cyber defense solution tuned to the specific needs of the more than 500,000 global businesses in over 150 countries, so you can do more business with less fear.

If you have any questions regarding your potential use of this material, contact:

SonicWall Inc.
5455 Great America Parkway
Santa Clara, CA 95054

Refer to our website for additional information.
www.sonicwall.com