

SonicWall Product Lines

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Partner Enabled Services

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NSsp series system specifications

| Firewall General | NSsp 12400 | NSsp 12800 |
|---|--|--|
| Operating system | SonicOS 6.5.1.8 | |
| Security processing cores | 128 | 256 |
| Interfaces | 4 x 40-GbE QSFP+, 16 x 10-GbE SFP+, 1 GbE Management, 1 Console | 4 x 40-GbE QSFP+, 16 x 10-GbE SFP+, 1 GbE Management, 1 Console |
| Built-in storage | 2 x 480 GB | |
| Management | CLI, SSH, Web UI, GMS, REST APIs | |
| SSO users | 110,000 | 110,000 |
| Maximum access points supported | 128 | 128 |
| Logging | Analyzer, Local Log, Syslog, IPFIX, NetFlow | |
| Firewall/VPN Performance | NSsp 12400 | NSsp 12800 |
| Firewall inspection throughput ¹ | 58.4 Gbps | 120.3 Gbps |
| Threat Prevention throughput ² | 33.5 Gbps | 67.5 Gbps |
| Application inspection throughput ² | 45.5 Gbps | 91.0 Gbps |
| IPS throughput ² | 36.8 Gbps | 73.0 Gbps |
| Anti-malware inspection throughput ² | 33.5 Gbps | 67.5 Gbps |
| IMIX throughput | 14.8 Gbps | 29.0 Gbps |
| TLS/SSL decryption and inspection throughput (DPI SSL) ² | 8.1 Gbps | 17.6 Gbps |
| VPN throughput ³ | 24.5 Gbps | 47.0 Gbps |
| Connections per second | 430,000/sec | 860,000/sec |
| Maximum connections (SPI) | 40,000,000 | 80,000,000 |
| Maximum connections (DPI) | 16,000,000 | 32,000,000 |
| Maximum connections (DPI SSL) | 1,300,000 | 2,600,000 |
| VPN | NSsp 12400 | NSsp 12800 |
| Site-to-site VPN tunnels | 25,000 | 25,000 |
| IPSec VPN clients (max) | 2,000 (10,000) | 2,000 (10,000) |
| SSL VPN NetExtender clients (max) | 2 (3,000) | 2 (3,000) |
| 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, BGP | |
| Networking | NSsp 12400 | NSsp 12800 |
| 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 | 512 | 512 |
| Routing protocols | BGP, OSPF, RIPv1/v2, static routes, policy-based routing | |
| QoS | Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1p | |
| Authentication | LDAP, 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 (in progress) | ICSA Firewall, ICSA Anti-Virus, FIPS 140-2, Common Criteria NDPP (Firewall and IPS), UC APL, USGv6, CsFC | |
| High availability | Active/Passive with State Sync, Active/Active DPI with State Sync, Active/Active Clustering | |
| Hardware | NSsp 12400 | NSsp 12800 |
| Power supply | Dual, Redundant, 1,200W | |
| Fans | Dual, Removable | |
| Input power | 100-240 VAC, 50-60 Hz | |
| Maximum power consumption (W) | 679 | 965 |
| MTBF @25°C in hours | 113,114 | 91,118 |
| MTBF @25°C in years | 12.9 | 10.4 |
| Form factor | 4U Rack Mountable | |
| Dimensions | 24.0 x 16.9 x 7.1 in (61 x 43 x 18 cm) | |
| Weight | 59.3 lb (26.9 kg) | 67.2 lb (30.5 kg) |
| WEEE weight | 67.7 lb (30.7 kg) | 75.6 lb (34.3 kg) |
| Shipping weight | 83.1 lb (37.7 kg) | 91.1 lb (41.3 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 | |
| Environment (Operating/Storage) | 32°-105° F (0°-40° C)/-40° to 158° F (-40° to 70° C) | |
| Humidity | 10-95% 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. Threat Prevention throughput measured with Gateway AV, Anti-Spyware, IPS and Application Control enabled. DPI SSL performance measured on HTTPS traffic with IPS enabled.

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.

NSa series system specifications

| Firewall general | NSa 2650 | NSa 3650 | NSa 4650 | NSa 5650 |
|---|--|---|---|--|
| Operating system | SonicOS 6.5.3 | | | |
| Security processing cores | 4 | 4 | 10 | 10 |
| Interfaces | 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+, 8 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 2.5-GbE SFP, 4 x 2.5-GbE, 16 x 1-GbE, 1 GbE Management, 1 Console | 2 x 10-GbE SFP+, 2 x 10-GbE, 4 x 2.5-GbE SFP, 4 x 2.5-GbE, 16 x 1-GbE, 1 GbE Management, 1 Console |
| Expansion | 1 Expansion Slot (Rear)* | | | |
| Built-in storage | 16 GB | 32 GB | 32 GB | 64 GB |
| Management | CLI, SSH, Web UI, Capture Security Center, GMS, REST APIs | | | |
| SSO users | 40,000 | 50,000 | 60,000 | 70,000 |
| Maximum access points supported | 48 | 96 | 128 | 192 |
| Logging | Analyzer, Local Log, Syslog | | | |
| Firewall/VPN Performance | NSa 2650 | NSa 3650 | NSa 4650 | NSa 5650 |
| Firewall inspection throughput ¹ | 3.0 Gbps | 3.75 Gbps | 6.0 Gbps | 6.25 Gbps |
| Threat Prevention throughput ² | 1.5 Gbps | 1.75 Gbps | 2.5 Gbps | 3.4 Gbps |
| Application inspection throughput ² | 1.85 Gbps | 2.1 Gbps | 3.0 Gbps | 4.25 Gbps |
| IPS throughput ² | 1.4 Gbps | 1.8 Gbps | 2.3 Gbps | 3.4 Gbps |
| Anti-malware inspection throughput ² | 1.3 Gbps | 1.5 Gbps | 2.45 Gbps | 2.8 Gbps |
| TLS/SSL decryption and inspection throughput (DPI SSL) ² | 300 Mbps | 320 Mbps | 675 Mbps | 800 Mbps |
| VPN throughput ³ | 1.45 Gbps | 1.5 Gbps | 3.0 Gbps | 3.5 Gbps |
| Connections per second | 14,000/sec | 14,000/sec | 40,000/sec | 40,000/sec |
| Maximum connections (SPI) | 1,000,000 | 2,000,000 | 3,000,000 | 4,000,000 |
| Maximum connections (DPI) | 500,000 | 750,000 | 1,000,000 | 1,500,000 |
| Maximum connections (DPI SSL) | 18,000 | 24,000 | 30,000 | 37,000 |
| Default connections (DPI/DPI SSL) ⁴ | 500,000/12,000 | 625,000/15,000 | 750,000/18,000 | 1,000,000/19,000 |
| VPN | NSa 2650 | NSa 3650 | NSa 4650 | NSa 5650 |
| Site-to-site tunnels | 1,000 | 3,000 | 4,000 | 6,000 |
| IPSec VPN clients (max) | 50 (1,000) | 500 (3,000) | 2,000 (4,000) | 2,000 (6,000) |
| SSL VPN NetExtender clients (max) | 2 (350) | 2 (500) | 2 (1,000) | 2 (1,500) |
| 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, BGP | | | |
| Networking | NSa 2650 | NSa 3650 | NSa 4650 | NSa 5650 |
| 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 | 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 (in progress) | ICSA Firewall, ICSA Anti-Virus, FIPS 140-2, Common Criteria NDPP (Firewall and IPS), UC APL, USGv6, CsFC | | | |
| High availability ⁵ | 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 2650 | NSa 3650 | NSa 4650 | NSa 5650 |
| Power supply | Dual, redundant 120W (one included) | | Dual, redundant 350W (one included) | |
| Fans | Dual, Fixed | | Dual, Removable | |
| Input power | 100-240 VAC, 50-60 Hz | | | |
| Maximum power consumption (W) | 37.2 | 46 | 93.6 | 103.6 |
| MTBF @25°C in hours | 162,231 | 156,681 | 154,529 | 153,243 |
| MTBF @25°C in years | 18.5 | 17.9 | 17.6 | 17.5 |
| Form factor | 1U Rack Mountable | | | |
| Dimensions | 16.9 x 12.8 x 1.8 in (43 x 32.5 x 4.5 cm) | | 16.9 x 16.3 x 1.8 in (43 x 41.5 x 4.5 cm) | |
| Weight | 11.5 lb (5.2 kg) | 11.7 lb (5.3 kg) | 15.2 lb (6.9 kg) | 15.2 lb (6.9 kg) |
| WEEE weight | 12.1 lb (5.5 kg) | 12.3 lb (5.6 kg) | 19.6 lb (8.9 kg) | 19.6 lb (8.9 kg) |
| Shipping weight | 17.0 lb (7.7 kg) | 17.2 lb (7.8 kg) | 24.9 lb (11.3 kg) | 24.9 lb (11.3 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 | | | |
| Environment (Operating/Storage) | 32°-105° F (0°-40° C)/-40° to 158° F (-40° to 70° C) | | | |
| Humidity | 10-90% non-condensing | | | |

NSa series system specifications cont'

| Firewall general | NSa 6650 | NSa 9250 | NSa 9450 | NSa 9650 |
|---|--|--|--|--|
| Operating system | SonicOS 6.5.3 | | | |
| Security processing cores | 24 | 24 | 32 | 32 |
| Interfaces | 6 x 10-GbE SFP+, 2 x 10-GbE, 4 x 2.5-GbE SFP, 8 x 2.5-GbE, 8 x 1-GbE, 1 GbE Management, 1 Console | 10 x 10-GbE SFP+, 2 x 10-GbE, 8 x 2.5-GbE, 8 x 1-GbE, 1 GbE Management, 1 Console | 10 x 10-GbE SFP+, 2 x 10-GbE, 8 x 2.5-GbE, 8 x 1-GbE, 1 GbE Management, 1 Console | 10 x 10-GbE SFP+, 2 x 10-GbE, 8 x 2.5-GbE, 8 x 1-GbE, 1 GbE Management, 1 Console |
| Expansion | 1 Expansion Slot (Rear)* | | | |
| Built-in storage | 64 GB | 1TB, 128 GB | 1TB, 128 GB | 1TB, 256 GB |
| Management | CLI, SSH, Web UI, Capture Security Center, GMS, REST APIs | CLI, SSH, Web UI, GMS, REST APIs | | |
| SSO users | 70,000 | 80,000 | 90,000 | 100,000 |
| Maximum access points supported | 192 | 192 | 192 | 192 |
| Logging | Analyzer, Local Log, Syslog, IPFIX, NetFlow | | | |
| Firewall/VPN Performance | NSa 6650 | NSa 9250 | NSa 9450 | NSa 9650 |
| Firewall inspection throughput ¹ | 12.0 Gbps | 12.0 Gbps | 17.1 Gbps | 17.1 Gbps |
| Threat Prevention throughput ² | 5.5 Gbps | 6.5 Gbps | 9.0 Gbps | 9.4 Gbps |
| Application inspection throughput ² | 6.0 Gbps | 7.8 Gbps | 10.8 Gbps | 11.5 Gbps |
| IPS throughput ² | 6.0 Gbps | 7.2 Gbps | 10.2 Gbps | 10.3 Gbps |
| Anti-malware inspection throughput ² | 5.4 Gbps | 6.5 Gbps | 8.0 Gbps | 8.5 Gbps |
| IMIX throughput | 2.65 Gbps | 2.65 Gbps | 4.1 Gbps | 4.1 Gbps |
| TLS/SSL decryption and inspection throughput (DPI SSL) ³ | 1.45 Gbps | 1.5 Gbps | 2.1 Gbps | 2.25 Gbps |
| VPN throughput ³ | 6.0 Gbps | 6.75 Gbps | 10.0 Gbps | 10.0 Gbps |
| Connections per second | 90,000/sec | 90,000/sec | 130,000/sec | 130,000/sec |
| Maximum connections (SPI) | 5,000,000 | 7,500,000 | 10,000,000 | 12,500,000 |
| Maximum connections (DPI) | 2,000,000 | 3,000,000 | 4,000,000 | 5,000,000 |
| Maximum connections (DPI SSL) | 100,000 | 100,000 | 200,000 | 300,000 |
| Default connections (DPI/DPI SSL) ⁴ | 1,500,000/45,000 | 2,000,000/48,000 | 3,000,000/134,000 | 4,000,000/210,000 |
| VPN | NSa 6650 | NSa 9250 | NSa 9450 | NSa 9650 |
| Site-to-site tunnels | 8,000 | 12,000 | 12,000 | 12,000 |
| IPSec VPN clients (max) | 2,000 (6,000) | 2,000 (6,000) | 2,000 (6,000) | 2,000 (6,000) |
| SSL VPN NetExtender clients (max) | 2 (2,000) | 2 (3,000) | 2 (3,000) | 50 (3,000) |
| 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, BGP | | | |
| Networking | NSa 6650 | NSa 9250 | NSa 9450 | NSa 9650 |
| 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 | 512 | | | |
| 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 (in progress) | ICSA Firewall, ICSA Anti-Virus, FIPS 140-2, Common Criteria NDPP (Firewall and IPS), UC APL, USGv6, CsFC | | | |
| High availability ⁵ | Active/Passive with State Sync, Active/Active DPI with State Sync, Active/Active Clustering | | | |
| Hardware | NSa 6650 | NSa 9250 | NSa 9450 | NSa 9650 |
| Power supply | Dual, redundant 350W (one included) | Dual, redundant, 350W | | |
| Fans | Triple, Removable | | | |
| Input power | 100-240 VAC, 50-60 Hz | | | |
| Maximum power consumption (W) | 144.3 | 86.7 | 90.9 | 113.1 |
| MTBF @25°C in hours | 157,193 | 139,783 | 134,900 | 116,477 |
| MTBF @25°C in years | 17.9 | 15.96 | 15.4 | 13.3 |
| Form factor | 1U Rack Mountable | | | |
| Dimensions | 16.9 x 16.3 x 1.8 in (43 x 41.5 x 4.5 cm) | | | |
| Weight | 17.9 lb (8.1 kg) | 17.9 lb (8.1 kg) | | 113.1 |
| WEEE weight | 22.5 lb (10.2 kg) | 22.5 lb (10.2 kg) | | 116.477 |
| Shipping weight | 27.8 lb (12.6 kg) | 27.8 lb (12.6 kg) | | 13.3 |
| 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 | | | |
| 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 Threat Prevention/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. Threat Prevention throughput measured with Gateway AV, Anti-Spyware, IPS and Application Control enabled. DPI SSL performance measured on HTTPS traffic with IPS enabled.

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 3,000 except for NSa 9250 and above.

⁵ Active/Active Clustering and Active/Active DPI with State Sync require purchase of Expanded License except for NSa 9250 and above.

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

SonicWall TZ series system specifications

| FIREWALL GENERAL | SOHO SERIES | SOHO 250 SERIES | TZ300 SERIES | TZ350 SERIES |
|---|--|------------------|------------------------------------|--------------------------|
| Operating system | SonicOS | | | |
| Interfaces | 5x1GbE, 1 USB, 1 Console | | 5x1GbE, 1 USB, 1 Console | 5x1GbE, 1 USB, 1 Console |
| Power over Ethernet (PoE) support | – | – | TZ300P - 2 ports (2 PoE or 1 PoE+) | – |
| Expansion | USB | | | |
| Management | CLI, SSH, Web UI, Capture Security Center, GMS, REST APIs | | | |
| Single Sign-On (SSO) Users | 250 | 350 | 500 | 500 |
| VLAN interfaces | 25 | | | |
| Access points supported (maximum) | 2 | 4 | 8 | 8 |
| FIREWALL/VPN PERFORMANCE | SOHO SERIES | SOHO 250 SERIES | TZ300 SERIES | TZ350 SERIES |
| Firewall inspection throughput ¹ | 300 Mbps | 600 Mbps | 750 Mbps | 1.0 Gbps |
| Threat Prevention throughput ² | 150 Mbps | 200 Mbps | 235 Mbps | 335 Mbps |
| Application inspection throughput ² | – | 275 Mbps | 375 Mbps | 600 Mbps |
| IPS throughput ² | 100 Mbps | 250 Mbps | 300 Mbps | 400 Mbps |
| Anti-malware inspection throughput ² | 50 Mbps | 100 Mbps | 200 Mbps | 300 Mbps |
| TLS/SSL inspection and decryption throughput (DPI SSL) ² | 30 Mbps | 40 Mbps | 50 Mbps | 65 Mbps |
| IPSec VPN throughput ³ | 100 Mbps | 200 Mbps | 300 Mbps | 430 Mbps |
| Connections per second | 1,800 | 3,000 | 5,000 | 6,000 |
| Maximum connections (SPI) | 10,000 | 50,000 | 100,000 | 100,000 |
| Maximum connections (DPI) | 10,000 | 50,000 | 90,000 | 90,000 |
| Maximum connections (DPI SSL) | 250 | 25,000 | 25,000 | 25,000 |
| VPN | SOHO SERIES | SOHO 250 SERIES | TZ300 SERIES | TZ350 SERIES |
| Site-to-site VPN tunnels | 10 | 10 | 10 | 15 |
| IPSec VPN clients (maximum) | 1 (5) | 1 (5) | 1 (10) | 1 (10) |
| SSL VPN licenses (maximum) | 1 (10) | 1 (25) | 1 (50) | 1 (75) |
| Virtual assist bundled (maximum) | – | 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, 14v | | | |
| Route-based VPN | RIP, OSPF, BGP | | | |
| 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 | SOHO 250 SERIES | TZ300 SERIES | TZ350 SERIES |
| 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 | | | |
| Comprehensive Anti-Spam Service | Supported | | | |
| Application Visualization | No | Yes | Yes | Yes |
| Application Control | Yes | Yes | Yes | Yes |
| Capture Advanced Threat Protection | No | Yes | Yes | Yes |
| NETWORKING | SOHO SERIES | SOHO 250 SERIES | TZ300 SERIES | TZ350 SERIES |
| 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) | | | |

SonicWall TZ series specifications cont'd

| NETWORKING CONT'D | SOHO SERIES | SOHO 250 SERIES | TZ300 SERIES | TZ350 SERIES |
|---|--|-----------------|--|---|
| Authentication | LDAP (multiple domains), XAUTH/RADIUS, SSO, Novell, internal user database | | LDAP (multiple domains), XAUTH/RADIUS, SSO, Novell, internal user database, Terminal Services, Citrix, Common Access Card (CAC) | |
| Local user database | | | 150 | |
| 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 (Firewall and IPS) | | | |
| Common Access Card (CAC) | Supported | | | |
| High availability | No | | Active/standby | |
| HARDWARE | SOHO SERIES | SOHO 250 SERIES | TZ300 SERIES | TZ350 SERIES |
| Form factor | Desktop | | | |
| Power supply | 24W external | | 24W external 65W external (TZ300P only) | 24W external |
| Maximum power consumption (W) | 6.4 / 11.3 | 6.9 / 11.3 | 6.9 / 12.0 | 6.9 / 12.0 |
| Input power | 100 to 240 VAC, 50-60 Hz, 1 A | | | |
| Total heat dissipation | 21.8 / 38.7 BTU | 23.5 / 38.7 BTU | 23.5 / 40.9 BTU | 23.5 / 40.9 BTU |
| Dimensions | 3.6 x 14.1 x 19 cm 1.42 x 5.55 x 7.48 in | | 3.5 x 13.4 x 19 cm 1.38 x 5.28 x 7.48 in | 3.5 x 13.4 x 19 cm 1.38 x 5.28 x 7.48 in |
| 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 |
| 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 |
| 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 |
| MTBF (in years) | 58.9/56.1 (wireless) | 56.1 | 56.1 | 56.1 |
| 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 | SOHO 250 SERIES | TZ300 SERIES | TZ350 SERIES |
| 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 | |
| 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 | |
| INTEGRATED WIRELESS | SOHO SERIES | SOHO 250 SERIES | TZ300 SERIES | TZ350 SERIES |
| 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 | |

SonicWall TZ series system specifications cont'd

| INTEGRATED WIRELESS | SOHO SERIES | SOHO 250 SERIES | TZ300 SERIES | TZ350 SERIES |
|--------------------------------|---|-----------------|--|--------------|
| 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 | | | |
| 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 | | 802.11a: 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 Threat Prevention/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. Threat Prevention throughput measured with Gateway AV, Anti-Spyware, IPS and Application Control enabled.

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 point products

SonicWall TZ series system specifications cont'd

| FIREWALL GENERAL | TZ400 SERIES | TZ500 SERIES | TZ600 SERIES |
|---|--|--------------------------|---|
| Operating system | SonicOS | | |
| Interfaces | 7x1GbE, 1 USB, 1 Console | 8x1GbE, 2 USB, 1 Console | 10x1GbE, 2 USB, 1 Console, 1 Expansion Slot |
| Power over Ethernet (PoE) support | — | — | TZ600P - 4 ports (4 PoE or 4 PoE+) |
| Expansion | USB | 2 USB | Expansion Slot (Rear)*, 2 USB |
| Management | CLI, SSH, Web UI, Capture Security Center, GMS, REST APIs | | |
| Single Sign-On (SSO) Users | 500 | 500 | 500 |
| VLAN interfaces | 50 | 50 | 50 |
| Access points supported (maximum) | 16 | 16 | 24 |
| FIREWALL/VPN PERFORMANCE | TZ400 SERIES | TZ500 SERIES | TZ600 SERIES |
| Firewall inspection throughput ¹ | 1.3 Gbps | 1.4 Gbps | 1.9 Gbps |
| Threat Prevention throughput ² | 600 Mbps | 700 Mbps | 800 Mbps |
| Application inspection throughput ² | 1.2 Gbps | 1.3 Gbps | 1.8 Gbps |
| IPS throughput ² | 900 Mbps | 1.0 Gbps | 1.2 Gbps |
| Anti-malware inspection throughput ² | 600 Mbps | 700 Mbps | 800 Mbps |
| TLS/SSL inspection and decryption throughput (DPI SSL) ² | 150 Mbps | 200 Mbps | 300 Mbps |
| IPSec VPN throughput ³ | 900 Mbps | 1.0 Gbps | 1.1 Gbps |
| Connections per second | 6,000 | 8,000 | 12,000 |
| Maximum connections (SPI) | 150,000 | 150,000 | 150,000 |
| Maximum connections (DPI) | 125,000 | 125,000 | 125,000 |
| Maximum connections (DPI SSL) | 25,000 | 25,000 | 25,000 |
| VPN | TZ400 SERIES | TZ500 SERIES | TZ600 SERIES |
| Site-to-site VPN tunnels | 20 | 25 | 50 |
| IPSec VPN clients (maximum) | 2 (25) | 2 (25) | 2 (25) |
| SSL VPN licenses (maximum) | 2 (100) | 2 (150) | 2 (200) |
| Virtual assist bundled (maximum) | 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, 14v | | |
| Route-based VPN | RIP, OSPF, BGP | | |
| 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 | TZ400 SERIES | TZ500 SERIES | TZ600 SERIES |
| 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 | | |
| Comprehensive Anti-Spam Service | Supported | | |
| Application Visualization | Yes | Yes | Yes |
| Application Control | Yes | Yes | Yes |
| Capture Advanced Threat Protection | Yes | Yes | Yes |
| NETWORKING | TZ400 SERIES | TZ500 SERIES | TZ600 SERIES |
| 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) | | |

SonicWall TZ series system specifications cont'd

| NETWORKING | TZ400 SERIES | TZ500 SERIES | TZ600 SERIES |
|---|--|--|--|
| Authentication | LDAP (multiple domains), XAUTH/RADIUS, SSO, Novell, internal user database, Terminal Services, Citrix, Common Access Card (CAC) | | |
| 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 (Firewall and IPS) | | |
| Common Access Card (CAC) | Supported | | |
| High availability | Active/standby | Active/Standby with stateful synchronization | |
| HARDWARE | TZ400 SERIES | TZ500 SERIES | TZ600 SERIES |
| Form factor | Desktop | | |
| Power supply | 24W external | 36W external | 60W external 180W external (TZ600P only) |
| Maximum power consumption (W) | 9.2 / 13.8 | 13.4 / 17.7 | 16.1 |
| Input power | 100-240 VAC, 50-60 Hz, 1 A | | |
| Total heat dissipation | 31.3 / 47.1 BTU | 45.9 / 60.5 BTU | 55.1 BTU |
| Dimensions | 3.5 x 13.4 x 19 cm 1.38 x 5.28 x 7.48 in | 3.5 x 15 x 22.5 cm 1.38 x 5.91 x 8.86 in | 3.5 x 18 x 28 cm 1.38 x 7.09 x 11.02 in |
| Weight | 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 | 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 | 1.37 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 (in years) | 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 | TZ400 SERIES | TZ500 SERIES | TZ600 SERIES |
| 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, 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 |
| 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 | — |

SonicWall TZ series system specifications cont'd

| INTEGRATED WIRELESS | TZ400 SERIES | TZ500 SERIES | TZ600 SERIES |
|--------------------------------|--|--------------|--------------|
| Standards | 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; 802.11ac: 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) | | — |

SonicWall Capture Client

| Antivirus feature | Capture Client Basic | Capture Client Advanced |
|--|--------------------------------------|--------------------------------------|
| Firewall enforcement | Yes | Yes |
| DPI-SSL certificate management | Yes | Yes |
| Continuous behavioral monitoring | Yes | Yes |
| Highly accurate determinations achieved through machine learning | Yes | Yes |
| Threat Visualization | No | Yes |
| Web Threat Protection | No | Yes |
| Device Control | No | Yes |
| Unique rollback capabilities | No | Yes |
| Capture Advanced Threat Protection (ATP) integration | No | Yes |
| Capture ATP verdict one-click look up | No | Yes |
| System requirements | | |
| Windows operating system | Windows 7 and upwards | Windows 7 and upwards |
| Windows Servers | Windows Server 12 and Upwards | Windows Server 12 and Upwards |
| Mac OS/OSX | 10.10 and upwards | 10.10 and upwards |
| Minimum CPU processor | 1 GHz dual-core CPU or better | 1 GHz dual-core CPU or better |
| Minimum memory | 1 GB RAM or higher if required by OS | 1 GB RAM or higher if required by OS |
| Recommended memory | 2 GB RAM | 2 GB RAM |
| Minimum storage available | 2 GB | 2 GB |

SonicWall WAN Acceleration (WXA) series

| | WXA 500 Software | WXA 5000 Virtual Appliance | WXA 6000 Software |
|--|-----------------------|---------------------------------|-----------------------|
| Platform | Software ⁵ | Virtual appliance | Software ⁵ |
| Maximum users ¹ | 20 | 360 | 2,000 |
| Maximum connections | 100 | 1,800 ³ | 10,000 |
| Maximum web caching connections | 100 | 1,800 ³ | 10,000 |
| Included/maximum concurrent WXA client licenses ⁴ | 2/20 | 2/125 | 2/125 |
| Byte caching | | Yes | |
| TCP/file compression | | Yes | |
| Management | | Requires SonicOS 5.8.1 or later | |
| Clustering ⁶ | — | Yes | Yes |
| CIFS/SMB acceleration | Yes ² | | |
| Signed SMB support | | Yes | |
| WFS/TCP visualization | | Yes | |
| SNMP | | Yes | |
| Syslog | | Yes | |
| Operating system | | Hardened SonicWall Linux OS | |

| | 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 Network Security virtual (NSv) series

| Firewall General | NSv 10 | NSv 25 | NSv 50 | NSv 100 |
|---------------------------------------|--|-----------|--------------------------|-----------|
| Operating system | SonicOS ¹ | | | |
| Supported Hypervisors | VMware ESXi v5.5 / v6.0 / v6.5, Microsoft Hyper-V | | | |
| License Types | Perpetual, Non-perpetual | Perpetual | Perpetual, Non-perpetual | Perpetual |
| Max Supported vCPUs | 2 | 2 | 2 | 2 |
| Interface Count (ESXi) | 8 | 8 | 8 | 8 |
| Max Mgmt/DataPlane Cores | 1/1 | 1/1 | 1/1 | 1/1 |
| Min Memory ² | 4 GB | 4 GB | 4 GB | 4 GB |
| Max Memory ³ | 6 GB | 6 GB | 6 GB | 6 GB |
| Supported IP/Nodes | 10 | 25 | 50 | 100 |
| Minimum Storage | 60 GB | | | |
| SSO users | 25 | 50 | 100 | 100 |
| Logging | Analyzer, Local Log, Syslog | | | |
| High availability | Active/Passive | | | |
| Firewall/VPN Performance ⁵ | NSv 10 | NSv 25 | NSv 50 | NSv 100 |
| Firewall Inspection Throughput | 2 Gbps | 2.5 Gbps | 3 Gbps | 3.5 Gbps |
| Full DPI Throughput (GAV/GAS/IPS) | 450 Mbps | 550 Mbps | 650 Mbps | 750 Mbps |
| Application Inspection Throughput | 1 Gbps | 1.25 Gbps | 1.5 Gbps | 1.75 Gbps |
| IPS Throughput | 1 Gbps | 1.25 Gbps | 1.5 Gbps | 1.75 Gbps |
| Anti-Malware Inspection Throughput | 450 Mbps | 550 Mbps | 650 Mbps | 750 Mbps |
| IMIX Throughput | 750 Mbps | 850 Mbps | 950 Mbps | 1100 Mbps |
| TLS/SSL DPI Throughput | 650 Mbps | 750 Mbps | 850 Mbps | 950 Mbps |
| VPN Throughput | 500 Mbps | 550 Mbps | 600 Mbps | 650 Mbps |
| Connections per second | 1,800 | 5,000 | 8,000 | 10,000 |
| Maximum connections (SPI) | 2,500 | 6,250 | 12,500 | 25,000 |
| Maximum connections (DPI) | 2,500 | 6,250 | 12,500 | 25,000 |
| TLS/SSL DPI Connections | 500 | 1,000 | 2,000 | 4,000 |
| VPN | NSv 10 | NSv 25 | NSv 50 | NSv 100 |
| Site-to-Site VPN Tunnels | 10 | 10 | 25 | 50 |
| IPSec VPN clients | 10 | 10 | 25 | 25 |
| SSL VPN NetExtender Clients (Maximum) | 2(10) | 2(25) | 2(25) | 2(25) |
| 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, BGP | | | |
| Networking | NSv 10 | NSv 25 | NSv 50 | NSv 100 |
| IP address assignment | Static, DHCP, internal DHCP server, DHCP relay | | | |
| NAT modes | 1:1, many:1, 1:many, flexible NAT (overlapping IPs), PAT | | | |
| VLAN Interfaces | 25 | 25 | 50 | 50 |
| Routing protocols | BGP, OSPF, RIPv1/v2, static routes, policy-based routing | | | |
| 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 | | | |
| VoIP | SIP | | | |
| Standards | TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SNMP, DHCP, L2TP, PPTP, RADIUS | | | |

SonicWall Network Security virtual (NSv) series con't

| Firewall General | NSv 200 | NSv 300 | NSv 400 | NSv 800 | NSv 1600 |
|--|--|-----------|------------------------------------|-------------------------------------|-------------------------------------|
| Operating system | SonicOS ¹ | | | | |
| Supported Hypervisors | VMware ESXi v5.5 / v6.0 / v6.5 , Microsoft Hyper-V | | | | |
| License Types | Perpetual, Non-perpetual | Perpetual | Perpetual, Non-perpetual | Perpetual, Non-perpetual | Perpetual |
| Supported Public Cloud Platforms (Instance Type) | AWS (c5.large), Azure (Std D2 v2) | N/A | AWS (c5.xlarge), Azure (Std D3 v2) | AWS (c5.2xlarge), Azure (Std D4 v2) | AWS (c5.4xlarge), Azure (Std D5 v2) |
| Max Supported vCPUs | 2 | 3 | 4 | 8 | 16 |
| Interface Count (ESXi/AWS/Azure) | 8/3/2 | 8/-/- | 8/4/4 | 8/4/8 | 8/8/8 |
| Max Mgmt/DataPlane Cores | 1/1 | 1/2 | 1/3 | 1/7 | 1/15 |
| Min Memory ² | 4 GB | 6 GB | 8 GB | 10 GB | 12 GB |
| Max Memory ³ | 6 GB | 8 GB | 10 GB | 14 GB | 18 GB |
| Supported IP/Nodes | Unlimited | Unlimited | Unlimited | Unlimited | Unlimited |
| Minimum Storage | 60 GB | | | | |
| SSO users | 500 | 5,000 | 10,000 | 15,000 | 20,000 |
| Logging | Analyzer, Local Log, Syslog | | | | |
| High availability | Active/Passive ⁴ | | | | |
| Firewall/VPN Performance ⁵ | NSv 200 | NSv 300 | NSv 400 | NSv 800 | NSv 1600 |
| Firewall Inspection Throughput | 4.1 Gbps | 5.9 Gbps | 7.8 Gbps | 13.9 Gbps | 17.2 Gbps |
| Full DPI Throughput (GAV/GAS/IPS) | 900 Mbps | 1.6 Gbps | 2.2 Gbps | 4.0 Gbps | 6.4 Gbps |
| Application Inspection Throughput | 2.3 Gbps | 3.4 Gbps | 4.1 Gbps | 5.5 Gbps | 6.4 Gbps |
| IPS Throughput | 2.3 Gbps | 3.4 Gbps | 4.1 Gbps | 5.5 Gbps | 6.7 Gbps |
| Anti-Malware Inspection Throughput | 900 Mbps | 1.6 Gbps | 2.2 Gbps | 4.0 Gbps | 6.6 Gbps |
| IMIX Throughput | 1.5 Gbps | 2.3 Gbps | 2.8 Gbps | 4.2 Gbps | 5.3 Gbps |
| TLS/SSL DPI Throughput | 1.1 Gbps | 1.2 Gbps | 1.8 Gbps | 3.4 Gbps | 5.1 Gbps |
| VPN Throughput | 750 Mbps | 1.4 Gbps | 1.9 Gbps | 4.2 Gbps | 8.4 Gbps |
| Connections per second | 13,760 | 24,360 | 37,270 | 75,640 | 125,000 |
| Maximum connections (SPI) | 225,000 | 1M | 1.5M | 3M | 4M |
| Maximum connections (DPI) | 125,000 | 500,000 | 1.5M | 2M | 2.5M |
| TLS/SSL DPI Connections | 8,000 | 12,000 | 20,000 | 30,000 | 50,000 |
| VPN | NSv 200 | NSv 300 | NSv 400 | NSv 800 | NSv 1600 |
| Site-to-Site VPN Tunnels | 75 | 100 | 6000 | 10,000 | 25,000 |
| IPSec VPN clients (Maximum) | 50(1000) | 50(1000) | 2000(4000) | 2000(6000) | 2000(10,000) |
| SSL VPN NetExtender Clients (Maximum) | 2(100) | 2(100) | 2(100) | 2(100) | 2(100) |
| 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, BGP | | | | |
| Networking | NSv 200 | NSv 300 | NSv 400 | NSv 800 | NSv 1600 |
| IP address assignment | Static, DHCP, internal DHCP server, DHCP relay | | | | |
| NAT modes | 1:1, many:1, 1:many, flexible NAT (overlapping IPs), PAT | | | | |
| VLAN Interfaces | 50 | 256 | 500 | 512 | 512 |
| Routing protocols | BGP, OSPF, RIPv1/v2, static routes, policy-based routing | | | | |
| 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 | | | | |
| VoIP | SIP | | | | |
| Standards | TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SNMP, DHCP, L2TP, PPTP, RADIUS | | | | |

¹Currently supporting SonicOS 6.5.0. SonicOS 6.5.2 support available end of calendar year.

²Memory with Jumbo frame disabled.

³Memory with Jumbo frame enabled. Additional memory is required for Jumbo frame enabled.

⁴High availability available on VMware ESXi platform and Microsoft Hyper-V.

⁵Published performance numbers are up to the specification and the actual performance may vary depending on underlying hardware, network conditions; firewall configuration and activated services. Performance and capacities may also vary based on underlying virtualization infrastructure, and we recommend additional testing within your environment to ensure your performance and capacity requirements are met. Performance metrics were observed using Intel Xeon W Processor (W-2195 2.3GHz, 4.3GHz Turbo, 24.75M Cache) running SonicOSv 6.5.0.2 with VMware vSphere 6.5.

Testing Methodologies:

Maximum performance based on RFC 2544 (for firewall).

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.

VPN throughput measured using UDP traffic at 1418 byte packet size adhering to RFC 2544. All specifications and features are subject to change.

SonicWall Web Application Firewall (WAF) series

| MODEL | WAF 200 | WAF 400 | WAF 800 | WAF 1600 |
|----------------------------|--|-----------------|-----------------|------------------|
| Supported Platform | VMware ESXi v6.5 Microsoft Hyper-V Manager 6.2 / 6.3 Amazon AWS Microsoft Azure | | | |
| WAF Tier | Tier 1 | Tier 2 | Tier 3 | Tier 4 |
| SSL Transactions/sec | 6,000 | 12,000 | 24,000 | 48,000 |
| SSL Throughput | 500 Mbps | 1 Gbps | 2 Gbps | 4 Gbps |
| Recommended vCPUs* | 2 | 4 | 8 | 16 |
| Recommended Memory | 4 GB | 8 GB | 16 GB | 32 GB |
| Recommended Storage | 8 GB | 8 GB | 8 GB | 8 GB |
| Recommended AWS Instance | c5.large | c5.xlarge | c5.2xlarge | c5.4xlarge |
| Recommended Azure Instance | Standard_F2s_v2 | Standard_F4s_v2 | Standard_F8s_v2 | Standard_F16s_v2 |

*This is based on typical enterprise-grade server systems. For more information, please see the Deployment Guides.

SonicWall SonicWave 400 Series Specifications

| 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, IEEE 802.11r, IEEE 802.11k, IEEE 802.11v, IEEE 802.11w | | |
| 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: 1,2,5,5,11 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, 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

SonicWall SonicWave 200 Series Specifications

| Hardware Specifications | SonicWave 231c | SonicWave 224w | SonicWave 231o |
|---|---|---|--|
| Location | Ceiling | Wall | Outdoor |
| Radio | | 2x2 802.11ac Wave 2 | |
| Dedicated 3rd scanning radio | Yes | No | Yes |
| USB 2.0 | Yes | No | No |
| Bluetooth Low Energy (BLE) radio | Yes | Yes | Yes |
| Antenna type | Internal | Internal | Omni-Antenna |
| Dimensions | 118mmx214mmx34mm | 122mmx188mmx18mm | 190mmx120mmx42mm |
| Shipping dimension | 150mm x240mm x 73mm | 150mm x240mm x 73mm | 265mmx450mmx78mm |
| Unit weight | 0.4 kg | 0.4 kg | 0.7 kg |
| WEEE weight | 0.7 Kg | 0.7 Kg | 2.0 kg |
| Shipping weight | 0.7 Kg | 0.7 Kg | 2.0 kg |
| PoE | 802.3at PoE (standard) DC 12V adapter (optional) | 802.3at PoE (standard, PoE sold separately) DC 12V adapter (optional) | 802.3af PoE (PoE sold separately) |
| Maximum power consumption (W) | 12W | 12W | 12W |
| Status indicators | 4 | 5 | 4 |
| Wired network ports | 1 x 10/100/1000 auto-sensing RJ-45 | 3 x 10/100/1000, 2x 10/100/1000 PoE pass through, 1 LAN PoE Out LAN ports | 1 x 10/100/1000 auto-sensing RJ-45 |
| Accessories included | | Ceiling/wall mounting kit | NEMA 4X Mounting kit and external antennas |
| Virtual access points | | Up to 8 per access point | |
| Chassis | | Rectangle | |
| Standards and compliance | SonicWave 231c | SonicWave 224w | SonicWave 231o |
| IEEE Standard | | 802.11a/b/g/n/ac | |
| 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, IEEE 802.11r, IEEE 802.11k, IEEE 802.11v, IEEE 802.11w | | |
| Plenum rated | Yes | N/A | No |
| Regulatory | | FCC, IC/ISED, CE, RCM, NCC, TELEC, KCC | |
| Safety | | UL, cUL, TUV-GS, CB , UL Mexico CoC | |
| MIMO | | MU-MIMO | |
| Max/Recommended connected clients per radio | | 128/30 | |
| Environmental | SonicWave 231c | SonicWave 224w | SonicWave 231o |
| Temperature range | 0° to 40°C | 0° to 40°C | -30° to 60°C |
| Humidity | 0%~95% typical, elevation 50,000 ft | 0%~95% typical, elevation 50,000 ft | 5%~90% typical |
| Radio specifications | SonicWave 231c | SonicWave 224w | SonicWave 231o |
| Radios | 3 radios - 5GHz, 2.4GHz and security radio | 2 radios - 5GHz and 2.4GHz | 3 radios - 5GHz, 2.4GHz and security radio |
| Frequency bands | IEEE 802.11a/n/ac: 5.150-5.250 GHz (UNII-1), 5.250-5.350 GHz (UNII-2), 5.470-5.600, 5.660-5.725 GHz (UNII-2e), 5.725-5.825 GHz (UNII-3) | | |
| Operating channels* | 2.4GHz channels : 1-13; 5 GHz channels: 36-64, 100-140, 149-165 | | |
| Transmit output power* | Based on the regulatory domain product is installed in and specified by the system administrator | | |
| Transmit power control | Supported | | |
| Data rates supported | 867 Mbps for 5GHz radio, 400Mbps for 2.4GHz radio | | |
| Modulation technology spectrum | 802.11ac: Orthogonal Frequency Division Multiplexing (OFDM) | | |
| Security | SonicWave 231c | SonicWave 224w | SonicWave 231o |
| Data encryption | WPA2; IPsec, 802.11i, WPA; 64/128/152-bit WEP, TKIP, AES, SSL VPN** | | |
| Authentication | SonicWave 231c | SonicWave 224w | SonicWave 231o |
| Authentication | RADIUS, Active Directory, single sign-on (SSO) | | |

* Subject to country regulations

** When used with SonicWall Secure Remote Access Series appliance

SonicWave Series PoE Injector Specifications

| Hardware Specifications | SonicWave 231c/224w/231o | SONICWAVE 432e/432i/432o |
|---------------------------------------|---|---|
| Number of ports | 2: (1) Data In; (1) data and power out | 2: (1) Data In; (1) data and power out |
| Dimensions | 2.09 in. (W) x 1.28 in. (H) x 5.5 in (L) | 1.69 (H) x 3.46 (W) x 6.54 (L) in; (43 (H) x 87.9 (W) x 166 (L) mm |
| Weight | 0.44 lbs | 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 | Shielded RJ-45, EIA 568A and 568B |
| Status Indicators | 2: AC Power (Yellow); Channel Power (Green) | LED indicator: Power On (yellow); Power supplied over Ethernet (green); Over current/short circuit (blinking green) |
| Data rates | 10/100/1000 Mbps | 10/100/1000 Mbps/2.5 GbE |
| Power over LAN output | SonicWave 231c/224w/231o | SONICWAVE 432e/432i/432o |
| Pin assignment and polarity | 4/5 (+), 7/8 (-) | 4/5 (+), 7/8 (-) |
| Output power voltage | 55VDC | -55 VDC |
| Maximum output power | 30 W | 30 W |
| Input power requirements | SonicWave 231c/224w/231o | SONICWAVE 432e/432i/432o |
| AC input voltage | 100 to 240 VAC | 100 to 240 VAC |
| AC frequency | 50 to 60 Hz | 50 to 60 Hz |
| AC input current | 0.8A @ 100-240 VAC | 1.5A at 100-240 VAC |
| Standards and compliance | SonicWave 231c/224w/231o | SONICWAVE 432e/432i/432o |
| Regulatory compliance | IEEE 802.3at (PoE), RoHS Compliant, WEEE Compliant, CE | CE, EN 55022 Class B (Emissions), FCC Part 15 Class B, EN 55024 (Immunity), VCCI |
| Electromagnetic emission and immunity | FCC Part 15, Class B; EN 55022 Class B (Emissions); EN 55024 (Immunity), VCCI | – |
| Safety | UL/cUL Per IEC 60950-1; GS Mark Per IEC 60950-1 | UL/CUL 60950-1, GS Mark per IEC 60950-1 |
| Environmental | – | RoHS, WEEE |
| Environmental requirements | SonicWave 231c/224w/231o | SONICWAVE 432e/432i/432o |
| Operating ambient temperature | 32° to 104°F (0 to 40°C) | 14 to 113 °F, -10 to 40 °C |
| Operating humidity | Maximum 90%, Non-condensing | Maximum 90%, non-condensing |
| Storage temperature | -4° to 158°F (-20° to 70°C) | -4 to 158 °F, -20 to 70 °C |
| Storage humidity | Maximum 95%, Non-condensing | 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 Wave 1 | 802.11a/b/g/n/ac Wave 1 | 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, IEEE 802.11ac | | |
| 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)

Appliance Specifications

Choose from a range purpose-built secure mobile access (SMA) appliances.
Get flexible deployment options with virtual and physical appliances.



Physical appliance specifications

| Performance | SMA 210 | SMA 410 | SMA 6210 | SMA 7210 |
|---------------------------------------|--|---------------------------------------|--|--|
| Concurrent sessions/Users | Up to 50 | Up to 250 | Up to 2,000 | Up to 10,000 |
| SSL VPN Throughput* (at max CCU) | 560 Mbps | 844 Mbps | Up to 800 Mbps | Up to 5.0 Gbps |
| Form factor | 1U | 1U | 1U | 1U |
| 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) |
| Appliance weight | 11 lbs (5 kgs) | 11 lbs (5 kgs) | 17.7 lbs (8 kgs) | 18.3 lbs (8.3 kgs) |
| Encryption data acceleration (AES-NI) | NO | NO | YES | YES |
| Dedicated management port | NO | NO | YES | YES |
| SSL acceleration | NO | NO | YES | YES |
| Storage | 4GB (Flash Memory) | 4GB (Flash Memory) | 2 x 1TB SATA; RAID 1 | 2 x 1TB SATA; RAID 1 |
| Interfaces | (2) GB Ethernet, (2) USB, (1) console | (4) GB Ethernet, (2) USB, (1) console | (6)-port 1GE, (2) USB, (1) console | (6)-port 1GE, (2)-port 10Gb SFP+, (2) USB, (1) console |
| Memory | 4GB | 8GB | 8GB DDR4 | 16GB DDR4 |
| TPM chip | NO | NO | YES | YES |
| Processor | 4 cores | 8 cores | 4 cores | 4 cores |
| MTBF (@ 25°C or 77°F) in hours | 61,815 | 60,151 | 70,127 | 129,601 |
| Operations and Compliance | SMA 210 | SMA 410 | SMA 6210 | SMA 7210 |
| Power | Fixed power supply | Fixed power supply | Fixed power supply | 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 |
| Power consumption | 26.9 W | 31.9 W | 77 W | 114 W |
| Total heat dissipation | 92 BTU | 109 BTU | 264 BTU | 389 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

Feature Summary (comparison by model)

| Category | Feature | 210 | 410 | 500v | 6210 | 7210 | 8200v |
|--------------------------------------|--|----------|----------|----------|----------|----------|-----------|
| Throughput | Max concurrent user sessions | 50 | 250 | 250 | 2,000 | 10,000 | 5,000 |
| | Max SSL/TLS throughput | 560 Mbps | 844 Mbps | 186 Mbps | 800 Mbps | 5.0 Gbps | 1.58 Gbps |
| Client access | Layer 3 tunnel | • | • | • | • | • | • |
| | Split-tunnel and redirect-all | • | • | • | • | • | • |
| | Always On VPN | • | • | • | • | • | • |
| | Auto ESP encapsulation | - | - | - | • | • | • |
| | HTML5 (RDP, VNC, ICA, SSH, Telnet, Network Explorer) | • | • | • | • | • | • |
| | Secure Network Detection | - | - | - | • | • | • |
| | File browser (CIFS/NFS) | • | • | • | • | • | • |
| | Citrix XenDesktop/XenApp | • | • | • | • | • | • |
| | VMware View | - | - | - | • | • | • |
| | On Demand tunnel | - | - | - | • | • | • |
| | Chrome/Firefox extensions | - | - | - | • | • | • |
| | CLI tunnel support | - | - | - | • | • | • |
| | Mobile Connect (iOS, Android, Chrome, Win 10, Mac OSX) | • | • | • | • | • | • |
| | Net Extender (Windows, Linux) | • | • | • | - | - | - |
| | Connect Tunnel (Windows, Mac OSX, Linux) | - | - | - | • | • | • |
| Exchange ActiveSync | • | • | • | • | • | • | |
| Mobile access | Per app VPN | - | - | - | • | • | • |
| | App control enforcement | - | - | - | • | • | • |
| | App ID validation | - | - | - | • | • | • |
| User portal | Branding | • | • | • | • | • | • |
| | Customization | - | - | - | • | • | • |
| | Localization | • | • | • | • | • | • |
| | User defined bookmarks | • | • | • | • | • | • |
| | Custom URL support | • | • | • | • | • | • |
| | SaaS application support | - | - | - | • | • | • |
| Security | FIPS 140-2 | - | - | - | • | • | - |
| | ICSA SSL-TLS | - | - | - | • | • | • |
| | Suite B ciphers | - | - | - | • | • | • |
| | Dynamic EPC interrogation | • | • | • | • | • | • |
| | Role Based Access Control (RBAC) | - | - | - | • | • | • |
| | Endpoint registration | • | • | • | • | • | • |
| | Secure File Share (Capture ATP) | • | • | • | • | • | • |
| | Endpoint quarantine | • | • | • | • | • | • |
| | OSCP CRL validation | - | - | - | • | • | • |
| | Cipher selection | - | - | - | • | • | • |
| | PKI and client certificates | • | • | • | • | • | • |
| | Geo IP filter | • | • | • | - | - | - |
| | Botnet filter | • | • | • | - | - | - |
| Forward proxy | • | • | • | • | • | • | |
| Reverse proxy | • | • | • | • | • | • | |
| Authentication and identity services | SAML 2.0 | - | - | - | • | • | • |
| | LDAP, RADIUS | • | • | • | • | • | • |
| | Kerberos (KDC) | • | • | • | • | • | • |
| | NTLM | • | • | • | • | • | • |
| | SAML Identity Provider (IdP) | - | - | - | • | • | • |
| | Biometric device support | • | • | • | • | • | • |
| | Face ID support for iOS | • | • | • | • | • | • |
| | Two-factor authentication (2FA) | • | • | • | • | • | • |
| Multi-factor authentication (MFA) | - | - | - | • | • | • | |

Feature Summary (comparison by model con't)

| Category | Feature | 210 | 410 | 500v | 6210 | 7210 | 8200v |
|--|--|-----|-----|------|------|------|-------|
| Authentication and identity services con't | Chained authentication | - | - | - | • | • | • |
| | One Time Passcode (OTP) via email or SMS | • | • | • | • | • | • |
| | Common Access Card (CAC) support | - | - | - | • | • | • |
| | X.509 certificate support | • | • | • | • | • | • |
| | Captcha integration | - | - | - | • | • | • |
| | Remote password change | • | • | • | • | • | • |
| | Forms based SSO | • | • | • | • | • | • |
| | Federated SSO | - | - | - | • | • | • |
| | Session persistence | - | - | - | • | • | • |
| Auto logon | • | • | • | • | • | • | |
| Access control | Group AD | • | • | • | • | • | • |
| | LDAP attributes | • | • | • | • | • | • |
| | Geolocation policies | • | • | • | - | - | - |
| | Continual endpoint monitoring | • | • | • | • | • | • |
| Management | Management interface (ethernet) | - | - | - | • | • | • |
| | Management interface (console) | - | - | - | • | • | • |
| | HTTPS administration | • | • | • | • | • | • |
| | SSH administration | - | - | - | • | • | • |
| | SNMP MIBS | • | • | • | • | • | • |
| | Syslog and NTP | • | • | • | • | • | • |
| | Usage monitoring | • | • | • | • | • | • |
| | Configuration rollback | • | • | • | • | • | • |
| | Centralized management | - | - | - | • | • | • |
| | Centralized reporting | - | - | - | • | • | • |
| | Management REST APIs | - | - | - | • | • | • |
| | Authentication REST APIs | - | - | - | • | • | • |
| | RADIUS accounting | - | - | - | • | • | • |
| | Scheduled tasks | - | - | - | • | • | • |
| Centralized session licensing | - | - | - | • | • | • | |
| Event-driven auditing | - | - | - | • | • | • | |
| Networking | IPv6 | • | • | • | • | • | • |
| | Global load balancing | - | - | - | • | • | • |
| | Server load balancing | • | • | • | - | - | - |
| | TCP state replication | • | • | • | • | • | • |
| | Cluster state failover | - | - | - | • | • | • |
| | Active/passive high availability | - | • | • | • | • | • |
| | Active/active high availability | - | - | - | • | • | • |
| | Horizontal scalability | - | - | - | • | • | • |
| | Single or multiple FQDNs | - | - | - | • | • | • |
| | L3-7 smart tunnel proxy | • | • | • | • | • | • |
| L7 application proxy | • | • | • | • | • | • | |
| Integration | 2FA TOTP support | • | • | • | • | • | • |
| | EMM and MDM product support | - | - | - | • | • | • |
| | SIEM product support | - | - | - | • | • | • |
| | TPAM password vault | - | - | - | • | • | • |
| | ESX hypervisor support | - | - | • | - | - | • |
| | Hyper-V hypervisor support | - | - | • | - | - | • |
| Licensing options | Subscription based license | - | - | - | • | • | • |
| | Perpetual license with support | • | • | • | • | • | • |
| | Web Application Firewall (WAF) | • | • | • | - | - | - |
| | Spike licensing | • | • | • | • | • | • |
| | Tiered licensing | - | - | - | • | • | • |
| | Virtual assist | • | • | • | - | - | - |

* To learn more about VPN clients, visit: <https://www.sonicwall.com/en-us/products/remote-access/vpn-client>

| | APPLIANCE, VIRTUAL APPLIANCE | WINDOWS SERVER® |
|---|---------------------------------|-----------------|
| Advanced Total Secure subscription – Advanced protection bundle | | |
| Includes SonicWall Capture ATP advanced attachment and URL protection, in addition to the Total Secure subscription | Yes | Yes |
| Time of Click URL Protection | Yes | Yes |
| Total Secure subscription – Basic protection bundle | | |
| 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 advanced attachment and URL protection add-on for Total Secure subscription | Yes | Yes |
| 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 Cloud 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 |

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 | |
|---|----------|
| Capture ATP - advanced attachment and URL protection | Optional |
| Time-of-Click URL protection | Optional |
| Anti-spam effectiveness | Yes |
| Sender IP reputation | Yes |
| Directory harvest, denial of service, protection | Yes |
| Capture Labs reputation services | Yes |
| SonicWall Cloud Anti-Virus | Yes |
| Multi Anti-Virus | Yes |
| Malicious URL detection | Yes |
| Phishing detection, classification, blocking | Yes |
| Zombie detection, flood protection | Yes |
| Policy rules | Yes |
| EASY ADMINISTRATION | |
| Centralized management with Capture Security Center | Yes |
| Multi-tenant management | Yes |
| Office 365 and G suite support | Yes |
| Automated provisioning and setup | Yes |
| Reputation auto-updates | Yes |
| Anti-spam auto-updates | Yes |
| Automatic upgrades and maintenance | Yes |
| Anti-Virus signature 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 |
| Emergency Inbox | Optional |
| 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 |
| Email Continuity | Optional |
| 15 days of junk email retention | Yes |
| Email spooling up to 7 days | Yes |
| COMPLIANCE POLICY AND MANAGEMENT | |
| Attachment scanning | Yes |
| Record ID matching | Yes |
| Dictionaries | Yes |
| Approval boxes/workflow | Yes |
| Compliance reporting | Yes |

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 |

| FEATURE | | BENEFIT |
|-----------------------------------|-----------------------------|--|
| Visibility | Cloud Application Discovery | Automate cloud application discovery by leveraging your SonicWall firewall log files to identify shadow IT activities on the network |
| | Cloud Usage Visibility | Get real-time, visual representation of applications being used, traffic volume, user activity and location of use |
| | Application Risk Assessment | Make informed decisions to block/unblock applications based on the risk assessment |
| | Event Monitoring | Monitor every action, including real-time and historical events, made in your SaaS environment |
| Next-Gen Email Security | Anti-Phishing | Stop targeted phishing attacks that are designed to evade default security offered Office 365 or G Suite |
| | Anti-Spoofing | Protect your corporate brand and users from email fraud and impersonation attacks |
| | Attachment Sandboxing | Block malicious email attachments from reaching your users inbox |
| | Advanced URL protection | Ensure users are protected from malicious embedded URLs |
| Advanced Threat Protection | Zero-day Malware Protection | Prevent malware from being stored and propagated through apps such as Box, Dropbox, OneDrive and G Drive |
| | Account Takeover Protection | Safeguard SaaS credentials by detecting anomalous user behavior, permission violations, or configuration changes |
| Data Security | Data Classification | Identify sensitive or confidential data and apply policies across SaaS applications to control how that information can be shared. |
| | Data-centric Access Control | Manage file permissions based upon the user's role and the type of data the file contains |
| | Remediation workflows | Ensure that securing data does not affect business through real time enforcement |
| Compliance | Compliance templates | Reduce administrative overhead by using simple compliance templates to meet requirements for SOX, PCI, HIPAA and GDPR |
| | Audit trail | Access historical event data for retrospective compliance auditing as well as real time reporting |
| | Policy enforcement | Enforce compliance in real-time with each SaaS to control access permissions, move files, block and edit email, and communicate with both users and administrators |

SonicWall Capture Security Center

Licensing and packaging

The cloud-based services of CSC Management, Reporting, Analytics and CAS are available in below packaging options. The minimum use requirement is each managed firewall must have an active AGSS or CGSS subscription.

1. CSC Basic Management (Lite)

This version is best suited for Backup/Restore of firewall system or preferences, and for firmware upgrade. Any firewall with AGSS or CGSS subscription can have this basic management functionality activated to help administer firewalls.

2. CSC Management

This paid subscription option activates full management capabilities including Workflow Automation and Zero-Touch Deployment features.

3. CSC Management and Reporting

This license option is an ideal fit for larger institutions with many firewalls deployed in geographically dispersed locations that are under group-level or tenant-based management. These include mid-market organizations, distributed enterprises, public sector and educational organization with many districts and campuses, and managed service providers (MSPs).

In addition to full management capabilities, this subscription option provides full reporting features to perform periodic or on-demand security and network performance reviews and audits. This can be done using the on-screen interactive universal dashboard with live charts and tables, or off-screen with scheduled exported reports.

4. CSC Analytics

This is a powerful add-on service to all Capture Security Center subscription options. Activating the service provides full access to the SonicWall Analytics and SonicWall Cloud App Security tools and services to conduct network forensic and threat hunting using comprehensive drill-down and pivoting capabilities.

| | Features | CSC Management Lite | CSC Management | CSC Management and Reporting | CSC Analytics |
|---|--|----------------------|-------------------------------------|------------------------------|----------------------|
| Management | Backup/Restore – firewall system | Yes | Yes | Yes | Yes |
| | Backup/Restore – firewall preferences | Yes | Yes | Yes | Yes |
| | Firmware upgrade | From local file only | From local file only or MySonicWall | Yes | From local file only |
| | Task scheduling | – | Yes | Yes | – |
| | Group firewall management | – | Yes | Yes | – |
| | Inheritance – forward/reverse | – | Yes | Yes | – |
| | Zero touch deployment ¹ | – | Yes | Yes | – |
| | Offline firewall signature downloads | – | Yes | Yes | – |
| | Workflow | – | Yes | Yes | – |
| Pooled Licenses – Search, Sharing, Used Activation Code Inventory | – | Yes | Yes | – | |
| Reporting (Netflow/ IPFIX based) | Schedule reports, Live monitor, Summary dashboards | – | – | Yes | Yes |
| | Download Reports: Applications, Threats, CFS, Users, Traffic, Source/Destination (1-year flow reporting) | – | – | Yes | Yes |
| Analytics (Netflow/ IPFIX based) | Network forensic and threat hunting using drill-down and pivots | – | – | – | Yes |
| | Cloud App Security | – | – | – | Yes |
| | 30-day traffic data retention | – | – | – | Yes |
| Technical Support | | Web Cases only | 24x7 support | 24x7 support | 24x7 support |

¹ Supported for SOHO-W SOHO 250, SOHO 250W, with firmware 6.5.2+; TZ, NSA series and NSA 2650-6650 with firmware 6.5.1.1+. Not supported for SOHO or NSv series.

SonicWall Capture Security Center con't

Supported firewall models

Capture Security Center is available only to AGSS/CGSS customers with SOHO-W,

SOHO 250, SOHO 250W, TZ Series, NSA Series, NSa 2650-6650, and NSv Series firewalls. For SuperMassive 9000 Series, NSa 9250 to 9650 and NSsp 12400 to

12800, CSC Management subscription option is automatically activated as part of its corresponding AGSS subscription activation.

| Capture Security Center | | | |
|-------------------------|--|--|--|
| | Management | Reporting | Analytics |
| Entry-level FW | SOHO-W, SOHO 250, SOHO 250W, TZ Series, NSv 10-100 | SOHO-W, SOHO 250, SOHO 250W, TZ Series, NSv 10-100 | SOHO-W, SOHO 250, SOHO 250W, TZ Series, NSv 10-100 |
| Mid-range FW | NSA Series, NSa 2650-6650, NSv 200-400 | NSA Series, NSa 2650-6650, NSv 200-400 | NSA Series, NSa 2650-6650, NSv 200-400 |
| High-end FW | SuperMassive 9000 series, NSsp 12000 series, NSa 9250-9650, NSv 800-1600 | | |

Ordering information

| Product | SKU |
|--|-------------|
| SonicWall Capture Security Center Management for TZ Series, SOHO-W, SOHO 250, SOHO 250W, NSv 10 to 100 1Yr | 01-SSC-3664 |
| SonicWall Capture Security Center Management for TZ Series, SOHO-W, SOHO 250, SOHO 250W, NSv 10 to 100 2Yr | 01-SSC-9151 |
| SonicWall Capture Security Center Management for TZ Series, SOHO-W, SOHO 250, SOHO 250W, NSv 10 to 100 3Yr | 01-SSC-9152 |
| SonicWall Capture Security Center Management for NSA 2600 to 6600, NSa 2650 to 6650 and NSv 200 to 400 1Yr | 01-SSC-3665 |
| SonicWall Capture Security Center Management for NSA 2600 to 6600, NSa 2650 to 6650 and NSv 200 to 400 2Yr | 01-SSC-9214 |
| SonicWall Capture Security Center Management for NSA 2600 to 6600, NSa 2650 to 6650 and NSv 200 to 400 3Yr | 01-SSC-9215 |
| SonicWall Capture Security Center Management and Reporting for TZ Series, SOHO-W, SOHO 250, SOHO 250W, NSv 10 to 100 1Yr | 01-SSC-3435 |
| SonicWall Capture Security Center Management and Reporting for TZ Series, SOHO-W, SOHO 250, SOHO 250W, NSv 10 to 100 2Yr | 01-SSC-9148 |
| SonicWall Capture Security Center Management and Reporting for TZ Series, SOHO-W, SOHO 250, SOHO 250W, NSv 10 to 100 3Yr | 01-SSC-9149 |
| SonicWall Capture Security Center Management and Reporting for NSA 2600 to 6600, NSa 2650 to 6650 and NSv 200 to 400 1Yr | 01-SSC-3879 |
| SonicWall Capture Security Center Management and Reporting for NSA 2600 to 6600, NSa 2650 to 6650 and NSv 200 to 400 2Yr | 01-SSC-9154 |
| SonicWall Capture Security Center Management and Reporting for NSA 2600 to 6600, NSa 2650 to 6650 and NSv 200 to 400 3Yr | 01-SSC-9202 |
| SonicWall Capture Security Center Analytics for SOHO-W, SOHO 250, SOHO 250W, TZ Series, NSv 10 to 100 1Yr | 02-SSC-0171 |
| SonicWall Capture Security Center Analytics for NSA 2600 to 6600, NSa 2650 to 6650 and NSv 200 to 400 1Yr | 02-SSC-0391 |

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)

Supported SonicWall appliances managed by Capture Security Center

- SonicWall Network Security Appliances: SuperMassive E10000 and 9000 Series, E-Class NSA, NSa Series, TZ Series appliances, SOHO-W, SOHO 250, SOHO 250W
- SonicWall Network Security Virtual Appliances: NSv Series

- SonicWall Endpoint Security – Capture Client
- SonicWall Cloud Security – Cloud App Security (CAS)

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, 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 Analytics

Minimum system requirements

For SonicWall Analytics in SaaS mode via the SonicWall Capture Security Center:

Supported SonicWall appliances include

SonicWall Network Security Appliances:

E-Class NSA, NSa Series, TZ Series appliances, SOHO-W, SOHO 250, SOHO 250W

SonicWall Network Security Virtual Appliances:

NSv 10 to NSv 400

Supported SonicWall firmware

SonicWall SonicOS 6.0 or higher

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)

For SonicWall Analytics on-premises deployment.

Virtual appliance

Hypervisor: VMware ESXi v5.5 / v6.0 / v6.5 / v6.7, Microsoft Hyper-V Win 2016

Recommended RAM: Unlimited (8 GB minimum)

HardDisk: Base OVA 65 GB need external mount

vCPU: 4/unlimited

Network Interface: 1

[VMware Compatibility Guide](#)

Supported SonicWall appliances include

SonicWall Network Security Appliances:

NSsp Series, SuperMassive E10000 and 9000 Series, E-Class NSA, NSa Series, TZ Series appliances, SOHO-W, SOHO 250, SOHO 250W

SonicWall Network Security Virtual Appliances:

NSv Series

Supported SonicWall firmware

SonicWall SonicOS Enhanced 5.8 or higher

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)

Analytics ordering information

| Product | SKU |
|--|-------------|
| SonicWall Capture Security Center Analytics for TZ Series, SOHO-W, SOHO 250, SOHO250W, NSv 10 to 100 1Yr | 02-SSC-0171 |
| SonicWall Capture Security Center Analytics for NSA 2600 to 6650 and NSv 200 to 400 1Yr | 02-SSC-0391 |
| SonicWall Analytics on prem 500 GB storage license | 02-SSC-1503 |
| SonicWall Analytics on prem 1 TB storage license | 02-SSC-1526 |
| SonicWall Analytics on prem 5 TB storage license | 02-SSC-1530 |
| SonicWall Analytics on prem 10 TB storage license | 02-SSC-1531 |
| SonicWall Analytics on prem Unlimited storage license | 02-SSC-1532 |

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About SonicWall

SonicWall has been fighting the cybercriminal industry for over 27 years defending small and medium businesses, enterprises and government agencies worldwide. Backed by research from SonicWall Capture Labs, our award- winning, real-time breach detection and prevention solutions secure more than a million networks, and their emails, applications and data, in over 215 countries and territories. These organizations run more effectively and fear less about security. For more information, visit www.sonicwall.com or follow us on [Twitter](#), [LinkedIn](#), [Facebook](#) and [Instagram](#).

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