SonicWall TZ570 /570W/570P

The SonicWall TZ570 series, available in three models (TZ570, TZ570W, TZ570P) is the first desktop-form-factor next-generation firewall (NGFW) with 5 Gigabit Ethernet interfaces.

Designed for mid-sized organizations and distributed enterprise with SD-Branch locations, the TZ570 series delivers industry-validated security effectiveness with best-in-class price-performance. TZ570 NGFWs address the growing trends in web encryption, connected devices and high-speed mobility by delivering a solution that meets the need for automated, real-time breach detection and prevention.

The TZ570 is highly scalable, with high port density of 10 ports. It features both in-built and an expandable storage of up to 256GB, that enables various features including logging, reporting, caching, firmware backup and more. An optional second power supply provides added redundancy in case of failure.

Deployment of TZ570 is further simplified by Zero-Touch Deployment, with the ability to simultaneously roll out these devices across multiple locations with minimal IT support. Built on next-gen hardware, it integrates firewalling, switching and wireless capabilities, plus provides single-pane-of-glass management for SonicWall Switches and SonicWave Access Points. It allows tight integration with Capture Client for seamless endpoint security.

SonicOS and Security Services

The SonicOS architecture is at the core of TZ NGFWs. TZ570 is powered by the feature rich SonicOS 7.0 operating system with new modern looking UX/UI, advanced security, networking and management capabilities. TZ570 features integrated SD-WAN, TLS 1.3 support, real-time visualization, high-speed virtual private networking (VPN) and other robust security features.

Unknown threats are sent to SonicWall's cloud-based Capture Advanced Threat Protection (ATP) multiengine sandbox for analysis. Enhancing Capture ATP is our patent-pending Real-Time Deep Memory Inspection (RTDMI™) technology. As one of Capture ATP's engine, RTDMI detects and blocks malware and zero-day threats by inspecting directly in memory.

By leveraging Capture ATP with RTDMI technology, in addition to security services such as Reassembly-Free Deep Packet Inspection (RFDPI), Anti-virus and Anti-spyware Protection, intrusion prevention system, Application Intelligence and Control, Content Filtering Services, DPI-SSL, TZ series firewalls stop malware, ransomware and other advanced threats at the gateway. For more information, refer the SonicOS and Security Services Datasheet.

Highlights:

- 5 GbE interfaces in a desktop form factor
- SD-Branch ready
- Secure SD-WAN capability
- SonicExpress App onboarding
- Zero-Touch Deployment
- Single-pane-of-glass-management through cloud or firewall
- SonicWall Switch, SonicWave Access Point and Capture Client integration
- Built-in and expandable storage
- Redundant power
- High port density
- Cellular failover
- SonicOS 7.0
- TLS 1.3 support
- Groundbreaking performance
- High connection count
- Fast DPI performance
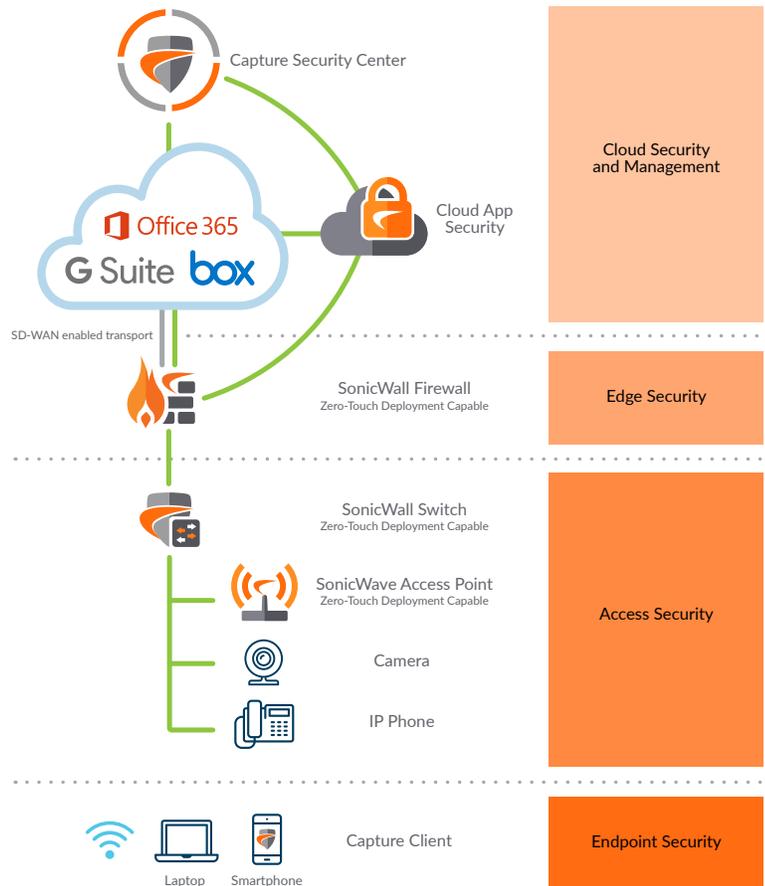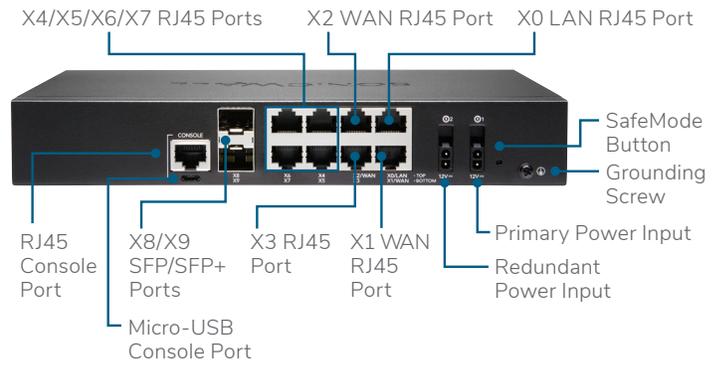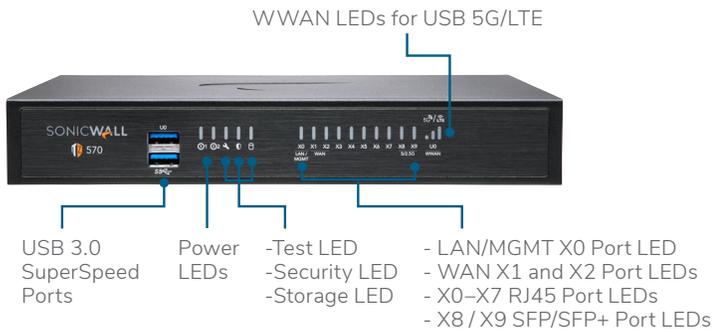- Low TCO

Deployments

Small to Medium size Business

- Save space and money with an integrated gateway security solution with firewalling, switching and wireless capabilities
- Reduce complexity and get the business running without relying on IT personnel with easy onboarding using SonicExpress App and Zero-Touch Deployment, and easy management through a single pane of glass
- Attain business continuity by providing failover to cellular connectivity
- Protect network from attacks with a comprehensive security solution that incorporates VPN, IPS, CFS, AV and much more
- Leverage high port density to power on multiple PoE devices such as IP phones and IP cameras with TZ570P
- Boost employee productivity by blocking unauthorized access with traffic segmentation and access policies

TZ570P

Internet

PoE devices

Retail store / small office LAN
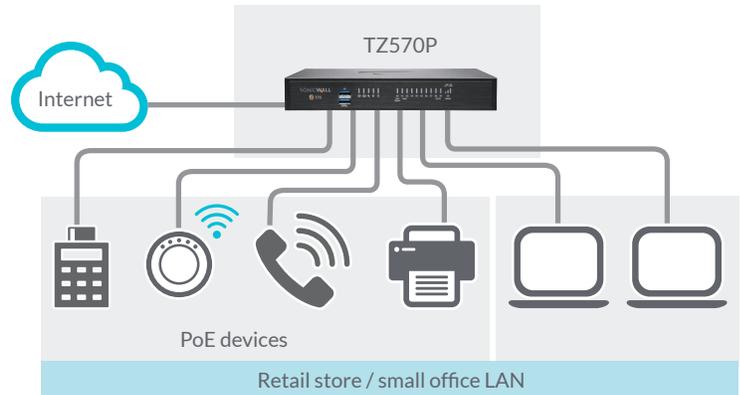
Distributed Enterprise with SD-Branches

- Enhance customer experience and adapt to the changing business needs by enabling next-gen branch connectivity with SD-Branch
- Drive business growth by investing in next-gen appliances with multi-gigabit and advanced security features, to future-proof against the changing network and security landscape
- Secure networks from the most advanced attacks with advanced security features and automatically block threats on decrypted traffic using protocols such as TLS 1.3
- Leverage end-to-end network security with seamless integration of SonicWave access points, SonicWall Switches and Capture Client
- Ensure seamless communication as stores talk to HQ via easy VPN connectivity which allows IT administrators to create a hub and spoke configuration for the safe transport of data between all locations
- Improve business efficiency, performance and reduce costs by leveraging TZ570's hardware and software enhancements, plus features such SD-WAN technology
- Scale quickly and effortlessly with SonicExpress App and Zero-Touch Deployment
- Ensure business continuity by providing failover to cellular connectivity
- Maintain compliance with security features, and leverage built-in and expandable storage to store logs for audit purposes

Capture Security Center

Cloud Security and Management

Office 365
G Suite box

Cloud App Security

SD-WAN enabled transport

SonicWall Firewall
Zero-Touch Deployment Capable

Edge Security

SonicWall Switch
Zero-Touch Deployment Capable

SonicWave Access Point
Zero-Touch Deployment Capable

Access Security

Camera

IP Phone

Capture Client

Endpoint Security

Laptop   Smartphone

SONIC**WALL**®

WWAN LEDs for USB 5G/LTE

X4/X5/X6/X7 RJ45 Ports   X2 WAN RJ45 Port   X0 LAN RJ45 Port

USB 3.0
SuperSpeed
Ports

Power
LEDs

-Test LED
-Security LED
-Storage LED

- LAN/MGMT X0 Port LED
- WAN X1 and X2 Port LEDs
- X0–X7 RJ45 Port LEDs
- X8 / X9 SFP/SFP+ Port LEDs

RJ45
Console
Port

X8/X9
SFP/SFP+
Ports

X3 RJ45
Port

X1 WAN
RJ45
Port

SafeMode
Button

Grounding
Screw

Primary Power Input

Redundant
Power Input

Micro-USB
Console Port

SonicWall TZ570/570W/570P specifications

FIREWALL GENERAL	TZ570	TZ570W	TZ570P
Operating system	SonicOS 7.0		
Interfaces	8x1GbE, 2x5GbE, 2 USB 3.0, 1 Console	8x1GbE, 2x5GbE, 2 USB 3.0, 1 Console	8x1GbE, 2x5GbE, 2 USB 3.0, 1 Console
Power over Ethernet (PoE) support	N/A	N/A	5 PoE or 3 PoE+
Expansion	Storage Expansion Slot (Up to 256GB, Rear)		
Management	Network Security Manager, CLI, SSH, Web UI, GMS, REST APIs		
Single Sign-On (SSO) Users	2,500		
VLAN interfaces	256		
Access points supported (maximum)	32		
FIREWALL/VPN PERFORMANCE	TZ570	TZ570W	TZ570P
Firewall inspection throughput[1]	4.00 Gbps		
Threat prevention throughput[2]	2.00 Gbps		
Application inspection throughput[2]	2.5 Gbps		
IPS throughput[2]	2.5 Gbps		
Anti-malware inspection throughput[2]	2.00 Gbps		
TLS/SSL inspection and decryption throughput (DPI SSL)[2]	750 Mbps		
IPSec VPN throughput[3]	1.80 Gbps		
Connections per second	16,000		
Maximum connections (SPI)	1,250,000		
Maximum connections (DPI)	400,000		
Maximum connections (DPI SSL)	30,000		
VPN	TZ570	TZ570W	TZ570P
Site-to-site VPN tunnels	200		
IPSec VPN clients (maximum)	10 (500)		
SSL VPN licenses (maximum)	2 (200)		
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		
Route-based VPN	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 10		
NetExtender	Microsoft® Windows 10, Linux		
Mobile Connect	Apple® iOS, Mac OS X, Google® Android™, Kindle Fire, Chrome OS, Windows 10		

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SonicWall TZ570/570W/570P specifications, continued

SECURITY SERVICES	TZ570	TZ570W	TZ570P
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	Yes		
Application Visualization	Yes		
Application Control	Yes		
Capture Advanced Threat Protection	Yes		
DNS Security	Yes		

NETWORKING	TZ570	TZ570W	TZ570P
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	BGP, OSPF, RIPv1/v2, static routes, policy-based routing		
QoS	Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1e (WMM)		
Authentication	LDAP (multiple domains), XAUTH/RADIUS, SSO, Novell, internal user database, Terminal Services, Citrix, Common Access Card (CAC)		
Local user database	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 (pending)	FIPS 140-2 (with Suite B) Level 2, IPv6 (Phase 2), ICSA Network Firewall, ICSA Anti-virus, Common Criteria NDPP (Firewall and IPS)		

HARDWARE	TZ570	TZ570W	TZ570P
Form factor	Desktop[4]		
Power supply	60W	60W	180W
Maximum power consumption (W)	13.1	15.3	108.75
Input power	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz
Total heat dissipation	44.7	52.17	370.84
Dimensions	3.5 x 15 x 22.5 (cm) 1.38 x 5.91 x 8.85 in		
Weight	0.97 kg / 2.14 lbs	0.99 kg / 2.18 lbs	0.99 kg / 2.18 lbs
WEEE weight	1.42 kg / 3.13 lbs	1.47 kg / 3.24 lbs	1.57 kg / 3.46 lbs
Shipping weight	1.93 kg / 4.25 lbs	1.98 kg / 4.36 lbs	2.08 kg / 4.58 lbs
MTBF @25°C in years	26.1	23.3	31.7
Environment (Operating/Storage)	32°-105° F (0°-40° C)/-40° to 158° F (-40° to 70° C)		
Humidity	5-95% non-condensing		

REGULATORY	TZ570	TZ570W	TZ570P
Major regulatory compliance	FCC Class B, FCC , ICES Class B, CE (EMC, LVD, RoHS), C-Tick, VCCI Class B, UL/cUL, TUV/GS, CB, Mexico DGN notice by UL, WEEE, REACH, BSMI, KCC/MSIP, ANATEL	FCC Class B, FCC P15C, FCC P15E, ICES Class B, ISED/IC, CE (RED, RoHS), C-Tick, VCCI Class B, Japan Wireless, UL/cUL, TUV/GS, CB, Mexico DGN notice by UL, WEEE, REACH, BSMI, NCC (TW) KCC/MSIP, SRRC, ANATEL	FCC Class A, ICES Class A, CE (EMC, LVD, RoHS), C-Tick, VCCI Class A, UL/cUL, TUV/ GS, CB, Mexico DGN notice by UL, WEEE, REACH, BSMI, KCC/MSIP, ANATEL

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SonicWall TZ570W specifications, continued

INTEGRATED WIRELESS[5] (TZ570W ONLY)	
Standards	802.11a/b/g/n/ac, WEP, WPA, WPA2, 802.11i, TKIP, PSK,02.1x, EAP-PEAP, EAP-TTLS
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: 5.180-5.825 GHz
Operating channels	802.11a: US and Canada 12, Europe 11, Japan 4, Singapore4, Taiwan 4; 802.11b/g: US and Canada 1-11, Europe 1-13, Japan (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	Yes
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)

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. 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 rack mount, separate rack mount kit available.
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.

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SonicOS 7.0 Feature Summary

Firewall
- Stateful packet inspection
- Reassembly-Free Deep Packet Inspection
- DDoS attack protection (UDP/ICMP/SYN flood)
- IPv4/IPv6 support
- Biometric authentication for remote access
- DNS proxy
- Full API support
- SonicWall Switch integration
- SD-WAN scalability
- SD-WAN Usability Wizard[1]
- SonicCoreX and SonicOS containerization[1]
- Connections scalability (SPI, DPI, DPI SSL)

Enhanced dashboard[1]
- Enhanced device view
- Top traffic and user summary
- Insights to threats
- Notification center

TLS/SSL/SSH decryption and inspection
- TLS 1.3 with enhanced security[1]
- Deep packet inspection for TLS/SSL/SSH
- Inclusion/exclusion of objects, groups or hostnames
- SSL control
- Enhancements for DPI-SSL with CFS
- Granular DPI SSL controls per zone or rule

Capture advanced threat protection[2]
- Real-Time Deep Memory Inspection
- Cloud-based multi-engine analysis
- Virtualized sandboxing
- Hypervisor level analysis
- Full system emulation
- Broad file type examination
- Automated and manual submission
- Real-time threat intelligence updates
- Block until verdict
- Capture Client

Intrusion prevention[2]
- Signature-based scanning
- Automatic signature updates
- Bi-directional inspection
- Granular IPS rule capability
- GeoIP enforcement
- Botnet filtering with dynamic list
- Regular expression matching

Anti-malware[2]
- Stream-based malware scanning
- Gateway anti-virus
- Gateway anti-spyware
- Bi-directional inspection
- No file size limitation
- Cloud malware database

Application identification[2]
- Application control
- Application bandwidth management
- Custom application signature creation
- Data leakage prevention

- Application reporting over NetFlow/IPFIX
- Comprehensive application signature database

Traffic visualization and analytics
- User activity
- Application/bandwidth/threat usage
- Cloud-based analytics

HTTP/HTTPS Web content filtering[2]
- URL filtering
- Proxy avoidance
- Keyword blocking
- Policy-based filtering (exclusion/inclusion)
- HTTP header insertion
- Bandwidth manage CFS rating categories
- Unified policy model with app control
- Content Filtering Client

VPN
- Secure SD-WAN
- Auto-provision VPN
- IPSec VPN for site-to-site connectivity
- SSL VPN and IPSec client remote access
- Redundant VPN gateway
- Mobile Connect for iOS, Mac OS X, Windows, Chrome, Android and Kindle Fire
- Route-based VPN (OSPF, RIP, BGP)

Networking
- PortShield
- Jumbo frames
- Path MTU discovery
- Enhanced logging
- VLAN trunking
- Port mirroring (NSa 2650 and above)
- Layer-2 QoS
- Port security
- Dynamic routing (RIP/OSPF/BGP)
- SonicWall wireless controller
- Policy-based routing (ToS/metric and ECMP)
- NAT
- DHCP server
- Bandwidth management
- A/P high availability with state sync
- Inbound/outbound load balancing
- High availability - Active/Standby with state sync
- L2 bridge, wire/virtual wire mode, tap mode, NAT mode
- Asymmetric routing
- Common Access Card (CAC) support

VoIP
- Granular QoS control
- Bandwidth management
- DPI for VoIP traffic
- H.323 gatekeeper and SIP proxy support

Management, monitoring and support
- Capture Security Appliance (CSa) support
- Capture Threat Assessment (CTA) v2.0
  - New design or template
  - Industry and global average comparison
- New UI/UX, Intuitive feature layout[1]

- Dashboard
- Device information, application, threats
- Topology view
- Simplified policy creation and management
- Policy/Objects usage statistics[1]
  - Used vs Un-used
  - Active vs Inactive
- Global search for static data
- Storage support[1]
- Internal and external storage management[1]
- WWAN USB card support (5G/LTE/4G/3G)
- Network Security Manager (NSM) support
- Web GUI
- Command line interface (CLI)
- Zero-Touch registration & provisioning
- CSC Simple Reporting[1]
- SonicExpress mobile app support
- SNMPv2/v3
- Centralized management and reporting with SonicWall Global Management System (GMS)[2]
- Logging
- Netflow/IPFix exporting
- Cloud-based configuration backup
- BlueCoat security analytics platform
- Application and bandwidth visualization
- IPv4 and IPv6 management
- CD management screen
- Dell N-Series and X-Series switch management including cascaded switches

Debugging and diagnostics
- Enhanced packet monitoring
- SSH terminal on UI

Wireless
- SonicWave AP cloud management
- WIDS/WIPS
- Rogue AP prevention
- Fast roaming (802.11k/r/v)
- 802.11s mesh networking
- Auto-channel selection
- RF spectrum analysis
- Floor plan view
- Topology view
- Band steering
- Beamforming
- AirTime fairness
- Bluetooth Low Energy
- MiFi extender
- RF enhancements and improvements
- Guest cyclic quota

Integrated Wireless (TZ570W only)
- 802.11ac Wave 2 wireless
- Dual-band (2.4 GHz and 5.0 GHz)
- 802.11 a/b/g/n/ac wireless standards
- Wireless intrusion detection and prevention
- Wireless guest services
- Lightweight hotspot messaging
- Virtual access point segmentation
- Captive portal
- Cloud ACL

[1] *New feature, available on SonicOS 7.0*
[2] *Requires added subscription*

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Product	SKU
TZ570 with 1-year TotalSecure Essential Edition	02-SSC-5651
TZ570W with 1-year TotalSecure Essential Edition	02-SSC-5649
TZ570P with 1-year TotalSecure Essential Edition	02-SSC-5653
TZ570 High Availability	02-SSC-5694
TZ570P High Availability	02-SSC-5655
TZ570 with 3-year Secure Upgrade Plus Essential Edition	02-SSC-5661
TZ570W with 3-year Secure Upgrade Plus Essential Edition	02-SSC-5663
TZ570P with 3-year Secure Upgrade Plus Essential Edition	02-SSC-5667

Services for SonicWall TZ570	SKU
Essential Protection Service Suite - Capture ATP, Threat Prevention, Content Filtering, Anti-Spam and 24x7 Support (1-year)	02-SSC-5137
Capture Advanced Threat Protection for TZ570 (1-year)	02-SSC-5083
Gateway Anti-Virus, Intrusion Prevention and Application Control (1-year)	02-SSC-5155
Content Filtering Service (1-year)	02-SSC-5119
Comprehensive Anti-Spam Service (1-year)	02-SSC-5101
24x7 Support (1-year)	02-SSC-5065

Services for SonicWall TZ570W	SKU
Essential Protection Service Suite - Capture ATP, Threat Prevention, Content Filtering, Anti-Spam and 24x7 Support (1-year)	02-SSC-5149
Capture Advanced Threat Protection for TZ570W (1-year)	02-SSC-5095
Gateway Anti-Virus, Intrusion Prevention and Application Control (1-year)	02-SSC-5167
Content Filtering Service (1-year)	02-SSC-5131
Comprehensive Anti-Spam Service (1-year)	02-SSC-5113
24x7 Support (1-year)	02-SSC-5077

Services for SonicWall TZ570P	SKU
Essential Protection Service Suite - Capture ATP, Threat Prevention, Content Filtering, Anti-Spam and 24x7 Support (1-year)	02-SSC-5143
Capture Advanced Threat Protection for TZ570P (1-year)	02-SSC-5089
Gateway Anti-Virus, Intrusion Prevention and Application Control (1-year)	02-SSC-5161
Content Filtering Service (1-year)	02-SSC-5125
Comprehensive Anti-Spam Service (1-year)	02-SSC-5107
24x7 Support (1-year)	02-SSC-5071

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Accessories

Accessories	SKU
SonicWall TZ670/570 Series FRU Power Supply	02-SSC-3078
SonicWall TZ670/570 Series Rack Mount Kit	02-SSC-3112
SonicWall 32GB Storage Module for TZ670/570 Series	02-SSC-3114
SonicWall 64GB Storage Module for TZ670/570 Series	02-SSC-3115
SonicWall 128GB Storage Module for TZ670/570 Series	02-SSC-3116
SonicWall 256GB Storage Module for TZ670/570 Series	02-SSC-3117
SonicWall Micro USB Console Cable for TZ670/570 Series	02-SSC-5173
10GB-SR SFP+ Short Reach Fiber Module Multi-Mode No Cable	01-SSC-9785
10GB-LR SFP+ Long Reach Fiber Module Single-Mode No Cable	01-SSC-9786
10GB SFP+ Copper with 1M Twinax Cable	01-SSC-9787
10GB SFP+ Copper with 3M Twinax Cable	01-SSC-9788
1GB-SX SFP Short Haul Fiber Module Multi-Mode No Cable	01-SSC-9789
1GB-LX SFP Long Haul Fiber Module Single-Mode No Cable	01-SSC-9790
1GB-RJ45 SFP Copper Module No Cable	01-SSC-9791
SonicWall SFP+ 10GBASE-T Transceiver Copper RJ45 Module	02-SSC-1874

Regulatory model numbers

TZ570	APL62-0F7
TZ570W	APL62-0F8
TZ570P	APL63-0F9

Partner Enabled Services

Need help to plan, deploy or optimize your SonicWall solution? SonicWall Advanced Services Partners are trained to provide you with world class professional services. Learn more at www.sonicwall.com/PES.

About SonicWall

SonicWall delivers Boundless Cybersecurity for the hyper-distributed era and a work reality where everyone is remote, mobile and unsecure. By knowing the unknown, providing real-time visibility and enabling breakthrough economics, SonicWall closes the cybersecurity business gap for enterprises, governments and SMBs worldwide. For more information, visit www.sonicwall.com.

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