

DATA SHEET

SonicWall TZ Series (Gen 7)

Integrated SD-Branch platform for next-gen
SMBs & branches

The SonicWall Gen 7 TZ Series, are the first desktop form factor next-generation firewalls (NGFWs) with 10 or 5 Gigabit Ethernet interfaces. The series consist of a wide range of products to suit a variety of use cases.

Designed for small, mid-sized organizations and distributed enterprises with SD-Branch locations, the 7th generation (Gen 7) TZ Series delivers industry-validated security effectiveness with best-in-class priceperformance. These 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.



TZ Series (Gen 7) Spec Preview. [View full specs »](#)

Max Threat Prevention Throughput	Max Connections	Ports
2.5 Gbps	1.5 Million	8x1GbE, 2x 10/5/2.5/1G

HIGHLIGHTS

- 10/5/2.5/1 GbE interfaces in a desktop form factor
- SD-Branch ready
- Secure SD-WAN capability
- SonicExpress App onboarding
- Zero-Touch Deployment
- Simplified Centralized SaaS and On-Premise management via [Network Security Manager](#)
- [SonicWall Unified Management](#) support
- SonicWall Switch, SonicWave Access Point and Capture Client integration
- Built-in and expandable storage
- Redundant power
- DNS security
- Reputation-based Content Filtering Service (CFS 5.0)
- Wi-Fi 6 firewall management
- Network access control integration with Aruba ClearPass
- High port density
- Cellular failover
- TLS 1.3 support
- Best-in-class price-performance
- High connection count
- Fast DPI performance
- Low TCO
- [Cloud Secure Edge Connector support](#)
- [Embedded cyberwarranty](#) up to \$200K by Cysurance included in Security Suites



"The TZ 570 is easy to onboard, use, and manage, and has an easy wizard and clear menus. I love to use SonicWall products, and really appreciate the support which SonicWall has extended."

— Gaurav Pandey, Head IT, Delhivery

[Read case study »](#)

The Gen 7 TZ series are highly scalable, with high port density of up to 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 on select models.

Deployment of Gen 7 TZs are further simplified by Zero-Touch Deployment, enabling simultaneous roll-out of these devices across multiple locations with minimal IT support. Built on next-generation 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 7 and Security Services

The SonicOS architecture is at the core of TZ NGFWs. Gen 7 TZs are powered by the feature rich [SonicOS 7](#) operating system with new modern looking UX/UI, advanced security, networking and management capabilities. Gen 7 TZ 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. SonicWall [Real-Time Deep Memory Inspection](#) (RTDMI™) patented technology enhances Capture ATP by inspecting directly in memory to detect and block malware and zero-day threats.

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.

Users can leverage the new [Cloud Secure Edge](#) Connector integration to provide a centralized and easy-to-manage option to provide secure access to their private applications. This approach ensures that user and device trust are repeatedly verified before granting access to specific applications, regardless of location and endpoint type.

Simplified licensing includes Hardware Only, Advanced (APSS) and Managed Protection Security Suite (MPSS) to meet your unique needs. MPSS augments resources with managed services for firewalls.

Cyber Warranty

An embedded [cyber warranty](#) is offered as part of Security Suites to mitigate costs of security breach, meet compliance requirements and promote peace of mind.

For more information, refer the [SonicOS and Security Services Datasheet](#).

Deployments

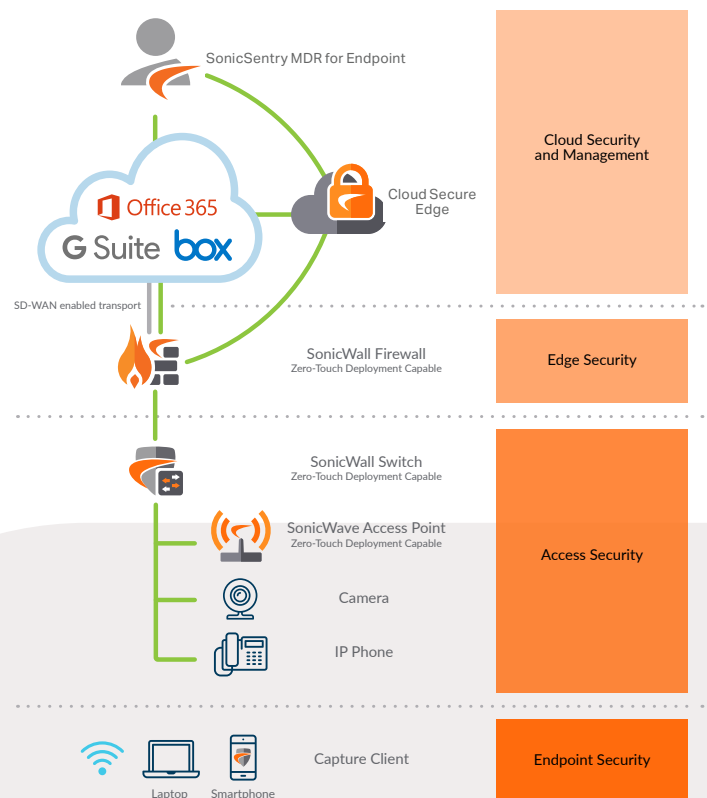
Small to Medium size Business

- 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



Distributed Enterprise with SD-Branches

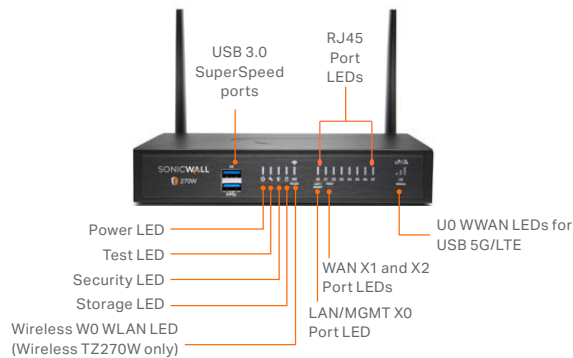
- Enhance customer experience and adapt to the changing business needs by enabling next-gen branch connectivity with SD-Branch
- Drive business growth by investing in next-gen appliances with multi-gigabit and advanced security features, to future-proof against the changing network and security landscape
- 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 Gen 7 TZ'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



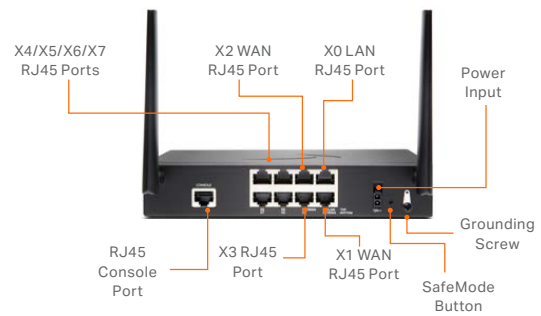
SonicWall TZ270 Series

Designed for home offices and lean branches, the TZ270 Series delivers industry-validated security effectiveness with best-in-class price-performance.

TZ270W Front Panel



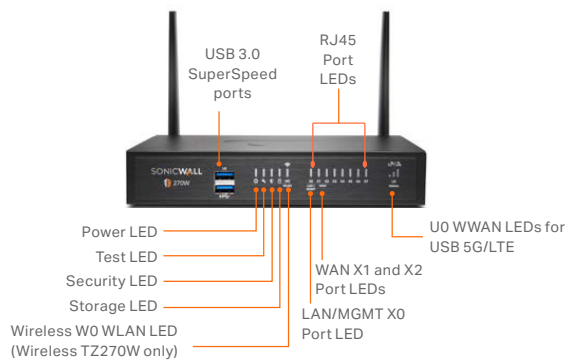
TZ270W Rear Panel



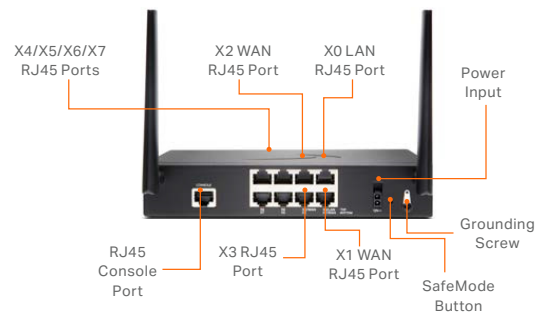
SonicWall TZ370 Series

Designed for small organizations and lean branches, the TZ370 Series delivers industry-validated security effectiveness with best-in-class price-performance.

TZ370W Front Panel



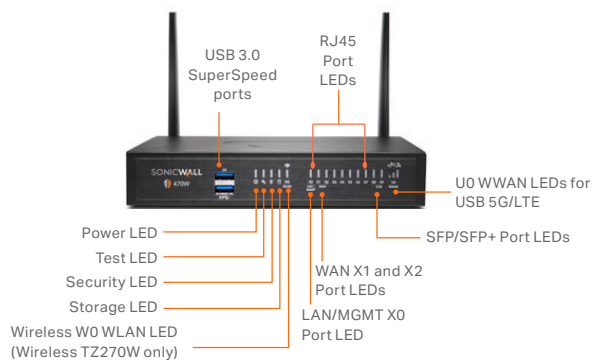
TZ370W Rear Panel



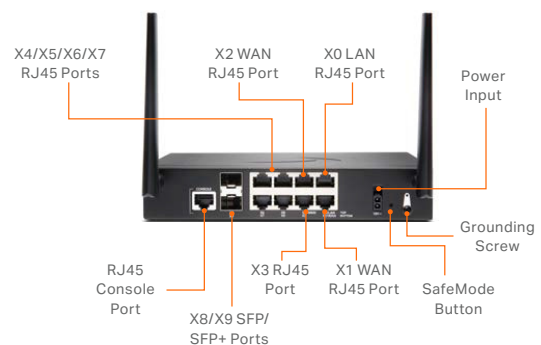
SonicWall TZ470 Series

Designed for small organizations and distributed enterprise with SD-Branch locations, the TZ470 Series delivers industry-validated security effectiveness with best-in-class price-performance.

TZ470W Front Panel



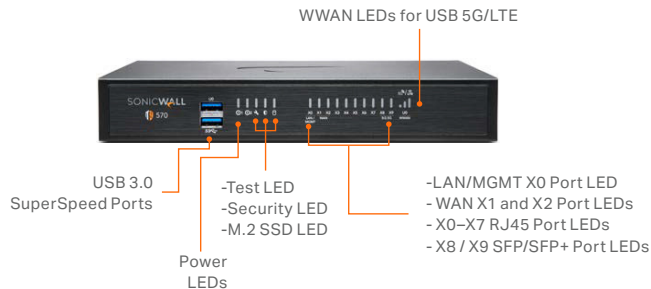
TZ470W Rear Panel



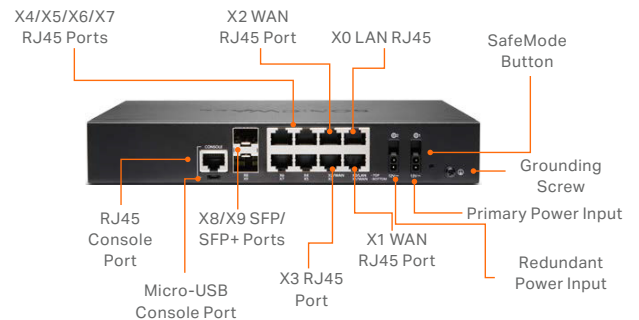
SonicWall TZ570 Series

Designed for small to 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 Front Panel



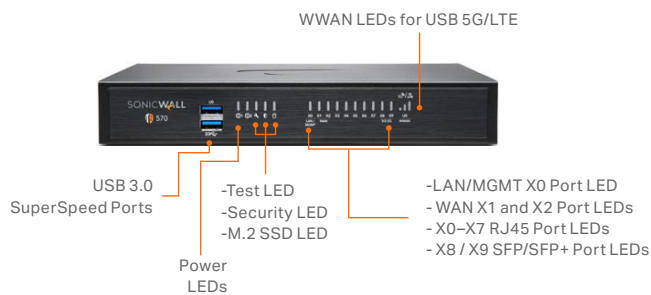
TZ570 Rear Panel



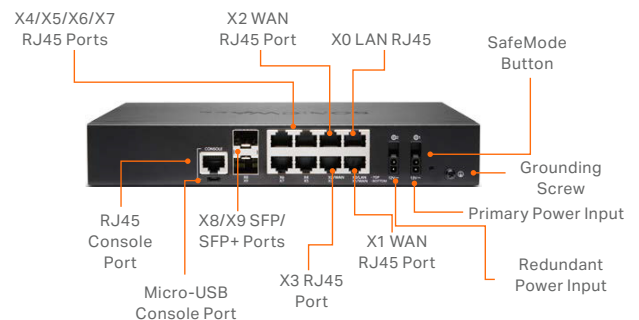
SonicWall TZ670 Series

Designed for small organizations and distributed enterprise with SD-Branch locations, the TZ470 Series delivers industryvalidated security effectiveness with best-in-class price-performance.

TZ670 Front Panel



TZ670 Rear Panel



SonicWall TZ Series (Gen 7) Specifications

Firewall General	TZ270 SERIES	TZ370 SERIES	TZ470 SERIES	TZ570 SERIES	TZ670 SERIES
Operating system	SonicOS 7				
Interfaces	8x1GbE, 2 USB 3.0, 1 Console	8x1GbE, 2 USB 3.0, 1 Console	8x1GbE, 2x2.5G SFP+, 2 USB 3.0, 1 Console	8x1GbE, 2x5G SFP+, 2 USB 3.0, 1 Console	8x1GbE, 2x10G SFP+, 2 USB 3.0, 1 Console
Wireless support	2x2 802.11ac Wave 2 (TZ270W)	2x2 802.11ac Wave 2 (TZ370W)	2x2 802.11ac Wave 2 (TZ470W)	2x2 802.11ac Wave 2 (TZ570W)	N/A
Power over Ethernet (PoE) support	N/A	N/A	N/A	5 PoE or 3PoE+ (TZ570P)	N/A
Storage expansion slot (Bottom)	Optional up to 256GB				Optional up to 256GB, 32GB included
Management	Network Security Manager, CLI, SSH, Web UI, GMS, REST APIs				
Redundant power supply	N/A	N/A	N/A	Yes	Yes
SAML Single Sign-On Users	1,000	1,000	2,500	2,500	2,500
VLAN interfaces	64	128	128	256	256
Access points supported (maximum)	16	16	32	32	32
Firewall/VPN Performance	TZ270 SERIES	TZ370 SERIES	TZ470 SERIES	TZ570 SERIES	TZ670 SERIES
Firewall inspection throughput ¹	2 Gbps	3 Gbps	3.5 Gbps	4 Gbps	5 Gbps
Threat prevention throughput ²	750 Mbps	1 Gbps	1.5 Gbps	2 Gbps	2.5 Gbps
Application inspection throughput ²	1 Gbps	1.5 Gbps	2 Gbps	2.5 Gbps	3 Gbps
IPS throughput ²	1 Gbps	1.5 Gbps	2 Gbps	2.5 Gbps	3 Gbps
Anti-malware inspection throughput ²	750 Mbps	1 Gbps	1.5 Gbps	2 Gbps	2.5 Gbps
TLS/SSL inspection and decryption throughput (DPI SSL) ²	300 Mbps	500 Mbps	600 Mbps	750 Mbps	800 Mbps
IPSec VPN throughput ³	750 Mbps	1.38 Gbps	1.5 Gbps	1.8 Gbps	2.1 Gbps
Connections per second	6,000	9,000	12,000	16,000	25,000
Maximum connections (SPI)	750,000	900,000	1,000,000	1,250,000	1,500,000
Maximum connections (DPI)	150,000	200,000	250,000	400,000	500,000
Maximum connections (DPI SSL)	25,000	30,000	35,000	50,000	75,000
VPN and ZTNA	TZ270 SERIES	TZ370 SERIES	TZ470 SERIES	TZ570 SERIES	TZ670 SERIES
Site-to-site VPN tunnels	50	100	150	200	250
IPSec VPN clients (maximum)	5 (200)	5 (200)	5 (200)	10 (500)	10 (500)
SSL VPN licenses (maximum)	1 (50)	2 (100)	2 (150)	2 (200)	2 (250)
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				

VPN and ZTNA	TZ270 SERIES	TZ370 SERIES	TZ470 SERIES	TZ570 SERIES	TZ670 SERIES
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				
SonicWall Private Access Powered by Cloud Secure Edge*	Included in 3&Free Loyalty Program				
Security Services	TZ270 SERIES	TZ370 SERIES	TZ470 SERIES	TZ570 SERIES	TZ670 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	Yes				
Application Visualization	Yes				
Application Control	Yes				
Capture Advanced Threat Protection	Yes				
Networking	TZ270 SERIES	TZ370 SERIES	TZ470 SERIES	TZ570 SERIES	TZ670 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	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,				
Local user database	150	250	250	250	250
VoIP	Full H323-v1-5, SIP				
Standards	TCP/IP, UDP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SNMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3				
Certifications	Granted: FIPS 140-2 Level 2 (with Suite B), IPv6/USGv6, ICSA Network Firewall, ICSA Firewall Enterprise, ISCA Network Antivirus / AntiMalware Pending: Common Criteria NDPP (with VPN and IPS), DoDIN, CSfC				
High availability	Active/Standby with stateful synchronization				
Hardware	TZ270 SERIES	TZ370 SERIES	TZ470 SERIES	TZ570 SERIES	TZ670 SERIES
Form factor	Desktop ⁴				
Power supply	36W external	36W external	36W external	60W external (TZ570/570W), 180W external (TZ570P only)	60W external
Maximum power consumption (W)	16.84 (TZ270), 18.91 (TZ270W)	16.84 (TZ370), 18.91 (TZ370W)	19.95 (TZ470), 21.98 (TZ470W)	13.4 (TZ570), 15.3 (TZ570W), 108.75 (TZ570P)	13.1
Input power	100 - 240 VAC, 50-60 Hz, 3A	100 - 240 VAC, 50-60 Hz, 3A	100 - 240 VAC, 50-60 Hz, 3A	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz
Total heat dissipation (BTU)	57.42 (TZ270), 64.48 (TZ270W)	57.42 (TZ370), 64.48 (TZ370W)	68.03 (TZ470), 74.95 (TZ470W)	44.7 (TZ570), 52.17 (TZ570W), 370.84 (TZ570P)	55.1
Dimensions	3.5x13.5x19 (cm) 1.8x5.3x7.5 (in)	3.5x13.5x19 (cm) 1.8x5.3x7.5 (in)	3.5x13.5x19 (cm) 1.8x5.3x7.5 (in)	3.5x15x22.5 (cm) 1.38x5.91x8.85 in	3.5x15x22.5 (cm) 1.38x5.91x 8.85 in

* Included with 3-year bundle

Hardware	TZ270 SERIES	TZ370 SERIES	TZ470 SERIES	TZ570 SERIES	TZ670 SERIES
Weight	0.82 kg / 1.81 lbs (TZ270), 0.85 kg / 1.87 lbs (TZ270W)	0.82 kg / 1.81 lbs (TZ370), 0.85 kg / 1.87 lbs (TZ370W)	0.83 kg / 1.82 lbs (TZ470), 0.87 kg / 1.92 lbs (TZ470W)	0.97 kg / 2.14 lbs (TZ570), 0.99 kg / 2.18 lbs (TZ570W), 1.05 kg / 2.31 lbs (TZ570P)	0.97 kg / 2.14 lbs
WEEE weight	1.18 kg / 2.6 lbs (TZ270), 1.24 kg / 2.73 lbs (TZ270W)	1.18 kg / 2.6 lbs (TZ370), 1.24 kg / 2.73 lbs (TZ370W)	1.24 kg / 2.73 lbs (TZ470), 1.27 kg / 2.8 lbs (TZ470W)	1.42 kg / 3.13 lbs (TZ570), 1.47 kg / 3.24 lbs (TZ570W), 1.57 kg / 3.46 lbs (TZ570P)	1.42 kg / 3.13 lbs
Shipping weight	1.41 kg / 3.11 lbs (TZ270), 1.47 kg / 3.25 lbs (TZ270W)	1.41 kg / 3.11 lbs (TZ370), 1.47 kg / 3.25 lbs (TZ370W)	1.43 kg / 3.15 lbs (TZ470), 1.51 kg / 3.33 lbs (TZ470W)	1.93 kg / 4.25 lbs (TZ570), 1.98 kg / 4.36 lbs (TZ570W), 2.08 kg / 4.58 lbs (TZ570P)	1.93 kg / 4.25 lbs
MTBF @25°C in years	51.1 (TZ270), 27.1 (TZ270W)	51.1 (TZ370), 27.1 (TZ370W)	46 (TZ470), 24.1 (TZ470W)	26.1 (TZ570), 23.3 (TZ570W), 31.7 (TZ570P)	43.9
Environment (Operating/Storage)	32°-105° F (0°-40° C)/-40° to 158° F (-40° to 70° C)				
Humidity	5-95% non-condensing				
Regulatory	TZ270 SERIES	TZ370 SERIES	TZ470 SERIES	TZ570 SERIES	TZ670 SERIES
Major regulatory compliance (wired models)	FCC Class B, ICES Class B, CE (EMC, LVD, RoHS), C-Tick, VCCI Class B, UL, cUL, CB, Mexico CoC by UL, WEEE, REACH, BSMI, KCC/ MSIP, ANATEL	FCC Class B, ICES Class B, CE (EMC, LVD, RoHS), C-Tick, VCCI Class B, UL, cUL, CB, Mexico CoC by UL, WEEE, REACH, BSMI, KCC MSIP, ANATEL	FCC Class B, ICES Class B, CE (EMC, LVD, RoHS), C-Tick, VCCI Class B, UL, cUL, CB, Mexico CoC by UL, WEEE, REACH, BSMI, KCC/MSIP, ANATEL	FCC Class B, FCC, ICES Class B, CE (EMC, LVD, RoHS), C-Tick, VCCI Class B, UL/ cUL, CB, Mexico DGN notice by UL, WEEE, REACH, BSMI, KCC/MSIP, ANATEL	FCC Class B, FCC, ICES Class B, CE (EMC, LVD, RoHS), C-Tick, VCCI Class B, UL/cUL, CB, Mexico DGN notice by UL, WEEE, REACH, BSMI, KCC/MSIP, ANATEL
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, CB, Mexico CoC by UL, WEEE, REACH, ANATEL	FCC Class B, FCC RF ICES Class B, IC RF CE (R&TTE, EMC, LVD, RoHS), RCM, VCCI Class B, MIC/ TELEC, UL, cUL, CB, Mexico CoC by UL, WEEE, REACH, ANATEL	FCC Class B, FCC RF ICES Class B, IC RF CE (R&TTE, EMC, LVD, RoHS), RCM, VCCI Class B, MIC/TELEC, UL, cUL, CB, Mexico CoC by UL, WEEE, REACH, ANATEL	FCC Class B, FCC P15C, FCC P15E, ICES Class B, ISSED/ IC, CE (RED, RoHS), C-Tick, VCCI Class B, Japan Wireless, UL/ cUL, CB, Mexico DGN notice by UL, WEEE, REACH, BSMI, NCC (TW) KCC/MSIP, SRRC, ANATEL	N/A
Major regulatory compliance (PoE models)	N/A	N/A	N/A	FCC Class A, ICES Class A, CE (EMC, LVD, RoHS), C-Tick, VCCI Class A, UL/ cUL, CB, Mexico DGN notice by UL, WEEE, REACH, BSMI, KCC/MSIP, ANATEL	N/A

Integrated Wireless5 (TZ270W/370W/470W/570W ONLY)	
Standards	802.11a/b/g/n/ac Wave 2, 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 Keysight HTTP performance 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 with default firewall settings.

³ VPN throughput measured with UDP traffic using 1418 byte packet size AESGCMAC16-256 Encryption 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.

Regulatory Model Numbers

TZ270/270W	APL57-100/APL57-101
TZ370/370W	APL57-100/APL57-101
TZ470/470W	APL57-0F1/APL57-0F2
TZ570/TZ570W/TZ570P	APL62-0F7/APL62-0F8/APL63-0F9
TZ670	APL62-0F7

SonicOS 7 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
- SonicWall Wi-Fi 6 AP integration

- SD-WAN scalability
- SD-WAN Usability Wizard¹
- SonicCoreX and SonicOS containerization¹
- Connections scalability (SPI, DPI, DPI SSL)
- Cloud Secure Edge Connector

Enhanced dashboard¹

- Enhanced device view
- Top traffic and user summary
- Insights to threats
- Notification center

TLS/SSL/SSH decryption and inspection

- TLS 1.3 with enhanced security¹
- 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 protection²

- 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 prevention²

- Signature-based scanning
- Network access control integration with Aruba ClearPass
- Automatic signature updates
- Bi-directional inspection
- Granular IPS rule capability
- GeoIP enforcement
- Botnet filtering with dynamic list
- Regular expression matching

Anti-malware²

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

Application identification²

- 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 filtering²

- URL filtering
- Proxy avoidance
- Keyword blocking

- Reputation-based Content Filtering Service (CFS 5.0)
- DNS filtering
- 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
- 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 layout¹
 - Dashboard
 - Device information, application, threats
 - Topology view
 - Simplified policy creation and management Policy/Objects usage statistics¹
 - Used vs Un-used
 - Active vs Inactive
- Global search for static data
- Storage support¹
- Internal and external storage management¹
- 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 Reporting¹
- 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 and firewall 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 (TZ270/370/470/570W only)

- 802.11ax
- 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

² Requires APSS or MPSS

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