SonicWALL TZ Series

FIREWALL

Unified Threat Management Firewall

- **Unified Threat Management**
- **SonicWALL Reassembly-Free Deep Packet Inspection**
- **Application intelligence and control**
- **Uncompromising performance**
- **SonicWALL Comprehensive Anti-Spam Service**
- **Modular 3G wireless broadband and analog modem**
- **Secure 802.11b/g/n Wireless LAN**
- **WAN Acceleration**
- **Advanced IPSec and SSL VPN**
- **SonicWALL PortShield**
- **Automated failover and failback and multi-WAN**
- **Robust Voice and Video over IP**
- **Intuitive configuration wizards**
- **SonicWALL Global Management System**

Factors like Web 2.0 applications, streaming video, evolving threats and new threat delivery vectors are overwhelming both the security and performance of traditional firewalls. The stateful packet inspection firewalls installed over the years by many organizations are unable to detect malware embedded in network traffic, nor are they able to identify and control applications being used on the network.

By integrating gateway anti-virus, anti-spyware, intrusion prevention, content filtering, anti-spam and application control, the SonicWALL® TZ Series of Unified Threat Management (UTM) Firewalls shatters these limitations by offering high performance multi-layered network protection. SonicWALL Application Intelligence and Control helps administrators control and manage both business and non-business related applications to enable network and user productivity. Utilizing SonicWALL's patented Reassembly-Free Deep Packet Inspection® (RFDPI) technology,* the TZ Series delivers in-depth protection at unparalleled performance. The TZ Series also provides secure IPSec and SSL VPN remote access, VoIP, and 802.11b/g/n wireless, and 3G wireless multi-WAN connectivity. Designed for the needs of small businesses, branch offices, distributed enterprise sites, retailers and managed service providers, the TZ Series supports the highest speeds available from modern ISPs while delivering full UTM protection. Each TZ appliance is available as a SonicWALL TotalSecure™ solution, conveniently bundling all hardware and services needed for comprehensive protection.

Features and Benefits

Unified Threat Management (UTM) delivers real-time gateway protection against the latest viruses, spyware, intrusions, software vulnerabilities and other malicious code.

SonicWALL Reassembly-Free Deep Packet Inspection provides enterprise-class protection for any protocol including web traffic, email, compressed file transfers, IM and P2P.

Application intelligence and control provides granular control and real-time visualization of applications to guarantee bandwidth prioritization and ensure maximum network security and productivity.**

Uncompromising performance even while providing comprehensive packet level inspection of both inbound and outbound traffic for any file size, while adding near zero latency.

SonicWALL Comprehensive Anti-Spam Service utilizes real-time sender IP reputation analysis and cloud-based Advanced Content Management techniques to remove spam, phishing and virus-laden messages from inbound SMTP-based emails before they reach your network.

Modular 3G wireless broadband and analog modem support can be used as either a primary or secondary WAN connection for business continuity or rapid deployment in remote locations.

Secure 802.11b/g/n Wireless LAN (WLAN) technologies provide secure high-speed wireless connectivity with SonicWALL's wireless security enforcement for multiple virtual SSIDs.

WAN Acceleration decreases latency and increases transfer speeds between remote sites for even higher network efficiency gains. (SonicWALL WXA Series required)

Advanced IPSec and SSL VPN connectivity options provide secure, high-speed office-to-office and individual user remote access including full network-level access for Apple® iOS or Google® Android™ devices.

SonicWALL PortShield port-level security offers flexible protection for traffic on the WAN, DMZ and devices inside your network by easily grouping ports into logical units.

Automated failover and failback and multi-WAN capabilities ensure continuous uptime for WAN connections including VPN tunnels by diverting traffic over alternate 3G WWAN or Ethernet WAN connections in the event of primary connection failure.

Robust Voice and Video over IP (VoIP) capabilities offer secure, standards-based support for sending voice (audio), streaming video and other media over IP-based networks.

Intuitive configuration wizards simplify even the most complicated tasks, including VPN set-up, NAT configuration and public server configuration.

SonicWALL Global Management System (GMS®) provides comprehensive global management and reporting tools for simplified configuration, enforcement and management from a central location.

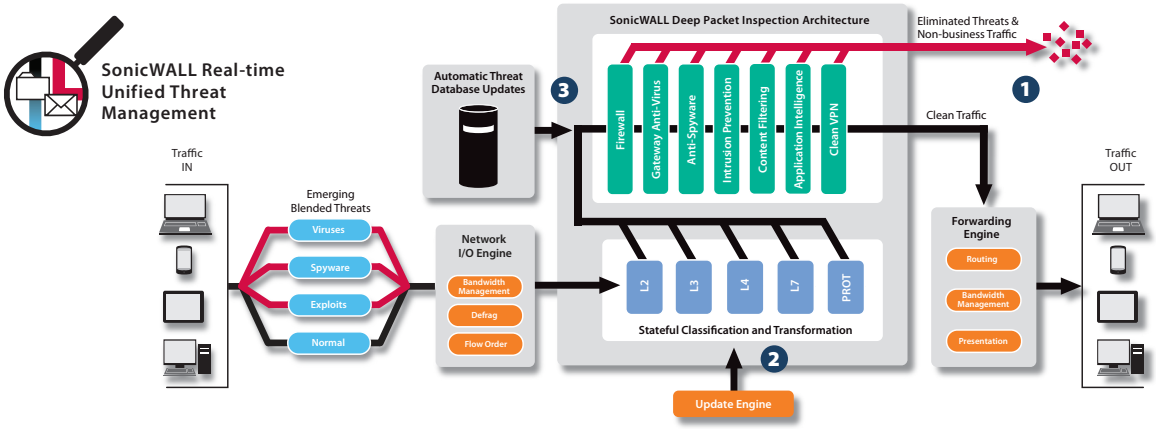
* U.S. Patents 7,310,815; 7,600,257; 7,738,380; 7,835,361

** Available as an option only on the TZ 210 Series

SONICWALL®

DYNAMIC SECURITY FOR THE GLOBAL NETWORK™

SonicWALL's TZ Series is the ultimate security platform for distributed and small networks, including remote and branch offices and retail/POS deployments

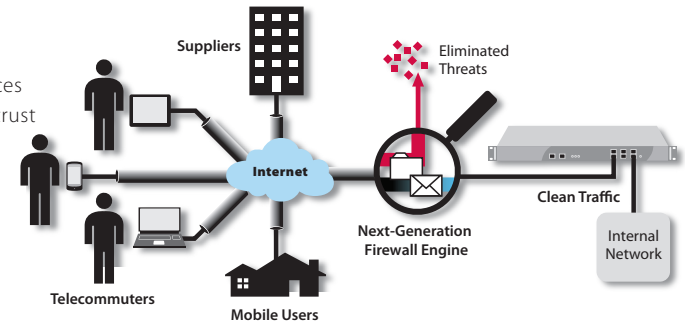


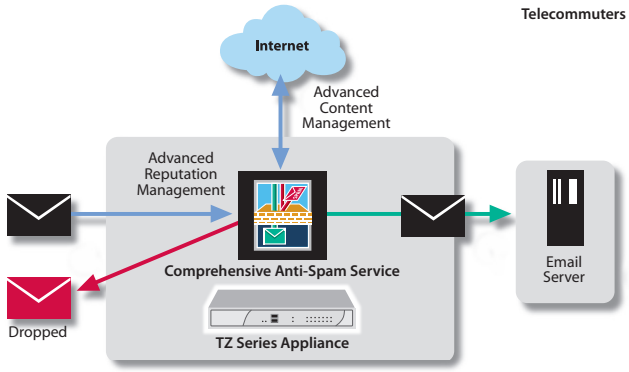
Best-in-Class Threat Protection

1. SonicWALL deep packet inspection protects against network risks such as viruses, worms, Trojans, spyware, phishing attacks, emerging threats and Internet misuse. Application Intelligence and Control adds highly-configurable controls to prevent data leakage and manage bandwidth at the application level and real-time application visualization.
2. The SonicWALL Reassembly-Free Deep Packet Inspection engine comprehensively scans entire packets in real-time without stalling traffic in memory. This functionality allows threats to be identified and eliminated over unlimited file sizes and unrestricted concurrent connections, without interruption.
3. The TZ Series provides dynamic network protection through continuous, automated security updates, protecting against emerging and evolving threats without requiring any administrator intervention.

SonicWALL Clean VPN

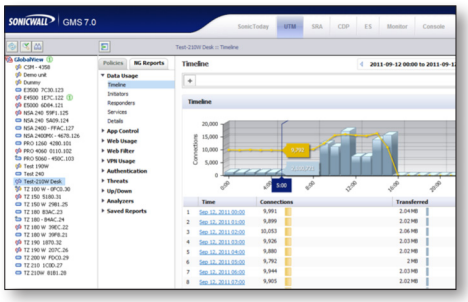
The TZ Series includes innovative Clean VPN™ that secures the integrity of VPN access for remote devices including iOS and Android devices by establishing trust for remote users and these endpoint devices and applying anti-malware security services, intrusion prevention and application intelligence and control to eliminate the transport of malicious threats into the corporate network.





SonicWALL Comprehensive Anti-Spam Service (CASS)

offers small- to medium-sized businesses comprehensive protection from spam and viruses, with instant deployment over existing SonicWALL firewalls. CASS speeds deployment, eases administration and reduces overhead by consolidating solutions, providing one-click anti-spam services, with advanced configuration in just ten minutes. CASS features complete inbound anti-spam, anti-phishing, anti-malware, GRID Network IP Reputation, Advanced Content Management, Denial of Service prevention, full quarantine and customizable per-user junk summaries. Outperforming RBL filtering, CASS offers >98% effectiveness against spam, dropping >80% of spam at the gateway, and advanced anti-spam techniques like Adversarial Bayesian™ filtering on remaining email.



Centralized Policy Management

The TZ Series can be managed using the SonicWALL Global Management System, which provides flexible, powerful and intuitive tools to manage configurations, view real-time monitoring metrics and integrate policy and compliance reporting and application traffic analytics, all from a central location.

Deployments

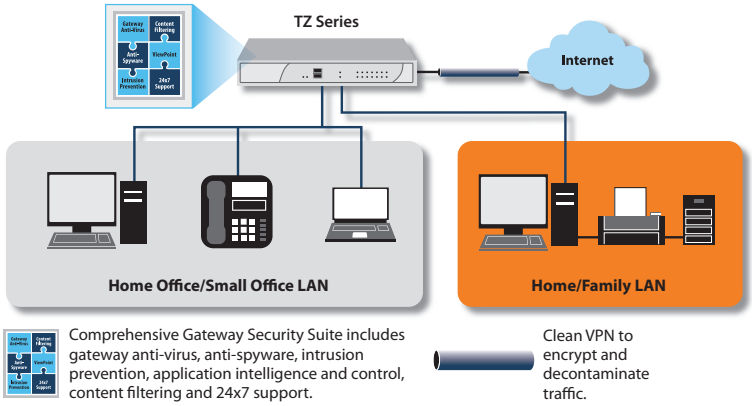
Home Office/Small Office

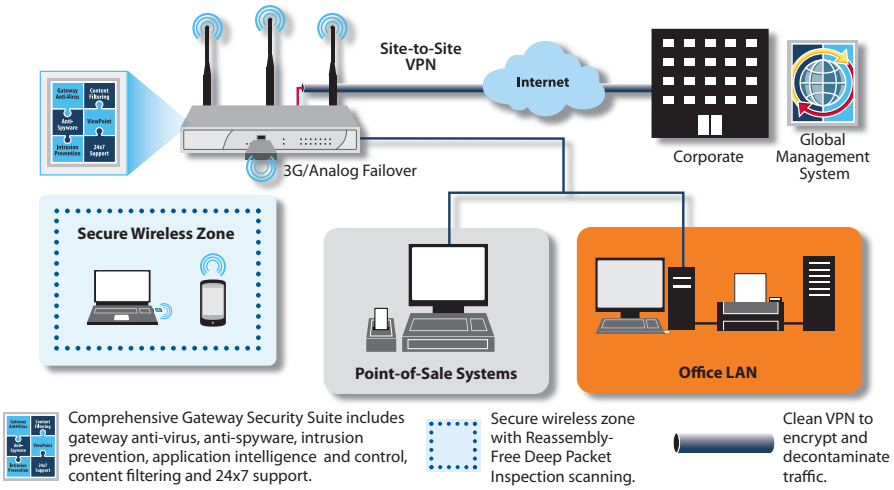
Designed as a complete Unified Threat Management (UTM) platform delivering business-class protection to home office networks, the TZ Series features PortShield technology, which provides secure segmentation of the home network from "work" equipment.

Technologies utilized:

- Unified Threat Management (Gateway Anti-Virus, Anti-Spyware, Intrusion Prevention, Application Intelligence and Control, Anti-Spam, Content Filtering, and Enforced Client Anti-Virus and Anti-Spyware)
- PortShield
- SSL VPN and IPSec VPN
- Optional 802.11n Clean Wireless

TZ 100 **TZ 200** **TZ 210**





Small Office/Retail

The TZ Series is a high-performance security platform for small professional offices and retail deployments with mission-critical needs. The TZ 200 and TZ 210 Series feature 3G connectivity through an integrated USB slot for use as either the primary or backup WAN connection.

Technologies utilized:

- Unified Threat Management (Gateway Anti-Virus, Anti-Spyware, Intrusion Prevention, Application Intelligence and Control, Anti-Spam, Content Filtering, and Enforced Client Anti-Virus and Anti-Spyware)
- 3G failover
- WAN and VPN failover
- PortShield
- 802.11n Clean Wireless
- Global Management System
- Virtual Access Points (VAPs)

TZ 100 **TZ 200** **TZ 210**

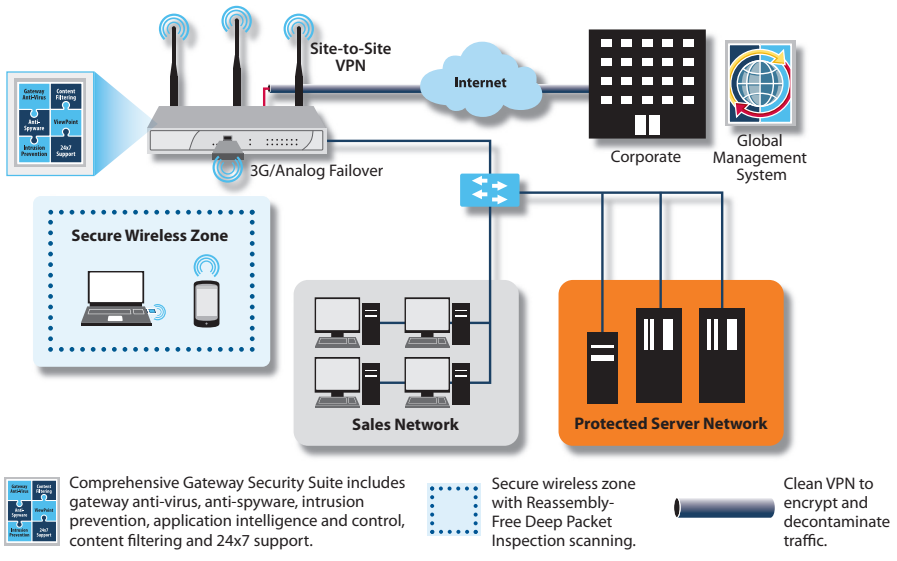
Remote/Branch Office

The TZ 200 and TZ 210 Series are the fastest multi-layered network security solutions in their class, giving remote and branch offices unparalleled Unified Threat Management protection against continually evolving threats. PortShield offers network segmentation, while Application Intelligence Service on the TZ 210 provides application classification and policy management to control applications. Get security and segmentation, along with performance and reliability.

Technologies utilized:

- Unified Threat Management (Gateway Anti-Virus, Anti-Spyware, Intrusion Prevention, Application Intelligence and Control, Anti-Spam, Content Filtering, and Enforced Client Anti-Virus and Anti-Spyware)
- Comprehensive Anti-Spam Service
- SSL VPN and IPSec VPN
- 802.11n Clean Wireless
- Optional hardware failover
- Global Management System

TZ 100 **TZ 200** **TZ 210**



Specifications

SonicWALL TZ 100 01-SSC-8734

SonicWALL TZ 100 Wireless-N 01-SSC-8735 (US/Canada)

SonicWALL TZ 100 TotalSecure* 01-SSC-8739

SonicWALL TZ 100 Wireless-N TotalSecure* 01-SSC-8723 (US/Canada)

SonicWALL TZ 200 01-SSC-8741

SonicWALL TZ 200 Wireless-N 01-SSC-8742 (US/Canada)

SonicWALL TZ 200 TotalSecure* 01-SSC-8746

SonicWALL TZ 200 Wireless-N TotalSecure* 01-SSC-8715 (US/Canada)

SonicWALL TZ 210 01-SSC-8753

SonicWALL TZ 210 Wireless-N 01-SSC-8754 (US/Canada)

SonicWALL TZ 210 TotalSecure* 01-SSC-8769

SonicWALL TZ 210 Wireless-N TotalSecure* 01-SSC-8773 (US/Canada)

*Includes one-year of Gateway Anti-Virus, Anti-Spyware, Intrusion Prevention, Application Intelligence (TZ 210 Series) Service, Content Filtering Service and Dynamic Support 24x7.

Certifications

Common Criteria EAL4+ CERTIFIED

FIPS VALIDATED 140-2

ICSA labs CERTIFIED FIREWALL - CORPORATE

Firewall	TZ 100 Series	TZ 200 Series	TZ 210 Series
SonicOS Version		SonicOS 5.6 and later	
Stateful Throughput[1]	100 Mbps	100 Mbps	200 Mbps
GAV Throughput[2]	35 Mbps	50 Mbps	70 Mbps
IPS Throughput[2]	50 Mbps	70 Mbps	110 Mbps
UTM Throughput[2]	25 Mbps	35 Mbps	50 Mbps
IMIX Throughput[2]	40 Mbps	50 Mbps	110 Mbps
Maximum Connections[3]	6,000	12,000	30,000
Maximum UTM Connections	6,000	12,000	20,000
New Connections/Sec	1,000	1,000	1,500
Nodes Supported		Unrestricted	
Denial of Service Attack Protection		22 classes of DoS, DDoS and scanning attacks	
SonicPoints Supported	1	2	16
VPN			
3DES/AES Throughput[4]		75 Mbps	
Site-to-Site VPN Tunnels	5	10	15
Bundled GVC Licenses (Maximum)	0 (5)	2 (10)	2 (25)
Bundled SSL VPN Licenses (Maximum)	1 (5)	1 (10)	2 (10)
Encryption/Authentication/DH Group		DES, 3DES, AES (128, 142, 256-bit), MD5, SHA-1/DH Group 1, 2, 5, 14	
Virtual Assist Bundled (Maximum)	—	30-day trial (1)	30-day trial (2)
Key Exchange		IKE, Manual Key, Certificates (X.509), L2TP over IPSec	
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 2000, Windows XP, Vista 32/64-bit, Windows 7 32/64-bit	
SSL VPN Platforms		Microsoft Windows 2000/XP/Vista 32/64-bit/Windows 7, Mac OSX 10.4+, Linux FC3+/Ubuntu 7+/OpenSUSE	
Mobile Connect Platform Supported		iOS 4.2 and higher, Android™ 4.0 and higher	
Security Services			
Deep Packet Inspection Services		Gateway Anti-Virus, Anti-Spyware and Intrusion Prevention	
Content Filtering Service (CFS)		HTTP URL, HTTPS IP, keyword and content scanning, ActiveX, Java Applet, and cookie blocking, bandwidth management on filtering categories, allow/forbid lists	
Gateway-enforced Client Anti-Virus and Anti-Spyware		McAfee® or Kaspersky®	
Comprehensive Anti-Spam Service[8]		Supported	
Application Intelligence and Control	—	—	Supported
Networking			
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	
VLANS	5, PortShield	10, PortShield	10, PortShield
DHCP		Internal server, relay	
Routing	RIPv1/v2 advertisement, static routes	OSPF, RIP v1/v2, static routes, policy-based routing, multicast	
Authentication		XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database	
Local User Database	25 users	100 users	150 users
VoIP		Full H.323v1-5, SIP, gatekeeper support, outbound bandwidth management, VoIP over WLAN, deep inspection security, full interoperability with most VoIP gateway and communications devices	
System			
Zone Security	Yes	Yes	Yes
Schedules	Yes	Yes	Yes
Object-based/Group-based Management	Yes	Yes	Yes
DDNS		Dynamic DNS providers include: dyndns.org, yi.org, no-ip.com and changeip.com	
Management and Monitoring		Local CLI, Web GUI (HTTP, HTTPS), SNMP v2; Global management with SonicWALL GMS	
Logging and Reporting		Analyzer, Scrutinizer, GMS, Local Log, Syslog, Solera Networks, NetFlow v5/v9, IPFIX with Extensions, Real-time Visualization[5]	
Hardware Failover	–	Active/Passive	Active/Passive
Anti-Spam		RBL support, Allowed/Blocked Lists, Optional SonicWALL Comprehensive Anti-Spam Service[8]	
Load Balancing		Yes, Outgoing and Incoming[6]	
Standards		TCP/IP, UDP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SNMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3	
WAN Acceleration Support[10]		Yes	
Built-in Wireless LAN			
Standards		802.11b/g/n (WEP, WPA, WPA2, 802.11i, TKIP, PSK,02.1x, EAP-PEAP, EAP-TTLS)	
Virtual Access Points (VAPs)[5]		Up to 8 for all appliances	
Antennas (5 dBi Diversity)		Dual, detachable, external	Triple, detachable, external
Radio Power			
802.11b		18 dBm maximum	
802.11g		18 dBM @ 6~48 Mbps 14 dBm @ 54 Mbps	
802.11n		19 dBm MCS 0, 12 dBm MCS 15	
Radio Receive Sensitivity			
802.11b		-90 dBm @ 11Mbps	
802.11g		-91 dBm @ 6Mbps, -74 dBm @ 54 Mbps	
802.11n		-89 dBm MCS 0, -70 dBm MCS 15	
Hardware			
Interfaces	(5) 10/100	(5) 10/100	(2) 10/100/1000, (5) 10/100
Flash Memory/RAM	16 MB/128 MB	16 MB/256 MB	32 MB/256 MB
3G Wireless/Modem[7]	–	Supported with approved adaptors	Supported with approved adaptors
USB Ports	–	1	2
Power Input		100 to 240 VAC, 50-60 Hz, 1 A	
Max Power Consumption	7.5 W/9.5 W (TZ 100 W)	8.6 W/10.6 W (TZ 200 W)	9.4 W/11.7 W (TZ 210 W)
Total Heat Dissipation	26 BTU/33 BTU (TZ 100 W)	30 BTU/37 BTU (TZ 200 W)	32 BTU/40 BTU (TZ 210 W)
Certifications		Common Criteria EAL4+, VPNC, FIPS 140-2, ICSA Firewall 4.1	
Form Factor and Dimensions	6.30 x 5.63 x 1.46 in (16 x 14.3 x 3.7 cm)	6.30 x 5.63 x 1.46 in (16 x 14.3 x 3.7 cm)	8.9 x 5.9 x 1.9 in (22.5 x 14.9 x 3.6 cm)
Weight	2.0 lbs/0.91 kg 2.5 lbs/1.1 kg (TZ 100 W)	2.0 lbs/0.91 kg 2.5 lbs/1.1 kg (TZ 200 W)	2.0 lbs/0.91 kg 2.8 lbs/1.3 kg (TZ 210 W)
Major Regulatory Compliance		FCC Class B, ICES Class B, CE, C-Tick, VCCI Class B, MIC, NOM, UL, cUL, TUV/GS, CB, WEEE, RoHS	
Environment/Humidity		32-105° F, 0-40° C/ 5-95% non-condensing	
MTBF		8 Years Minimum	

[1] Testing Methodologies: Maximum performance based on RFC 2544 (for firewall). Actual performance may vary depending on network conditions and activated services. [2] UTM/Gateway AV/Anti-Spyware/IPS throughput measured using industry standard Spirent WebAvalanche HTTP performance test and Ixia test tools. Testing done with multiple flows through multiple port pairs. [3] Actual maximum connection counts are lower when UTM services are enabled. [4] VPN throughput measured using UDP traffic at 1280 byte packet size adhering to RFC 2544. [5] Supported on the Internal Radio for the TZ 100 W, TZ 200 W and TZ 210 W only. [6] With SonicOS Enhanced. [7] 3G card and modem are not included. See http://www.sonicwall.com/us/products/cardsupport.html for supported USB devices. [8] The Comprehensive Anti-Spam Service supports an unrestricted number of users but is recommended for 250 users or less. [9] TZ 100/200 not supported. [10] With SonicWALL WXA Series Appliances.

SonicWALL's line-up of dynamic security solutions

NETWORK SECURITY | SECURE REMOTE ACCESS | WEB AND E-MAIL SECURITY | BACKUP AND RECOVERY | POLICY AND MANAGEMENT

SONICWALL®

DYNAMIC SECURITY FOR THE GLOBAL NETWORK™

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