

TZ Series

Unified Threat Management firewall

The Dell™ SonicWALL™ TZ Series is the most secure Unified Threat Management (UTM) firewall for small businesses, retail deployments, remote sites, branch offices and distributed enterprises. Unlike consumer-grade products, the TZ Series delivers the most effective anti-malware, intrusion prevention, content/URL filtering and application control capabilities along with the broadest most secure mobile platform support for laptops, smartphones and tablets. It provides full deep packet inspection (DPI) at very high performance levels, eliminating the network bottleneck that other products introduce, and enabling organizations to realize increased productivity gains. The TZ Series is the most secure, sophisticated and widely-deployed security platform on the market today.

Additionally, the Dell SonicWALL Application Intelligence and Control capabilities in the TZ 215 ensures that bandwidth is available for business-critical applications while throttling or blocking unproductive applications. The TZ 215 also offers advanced application traffic analytics and reporting for deep insight into bandwidth utilization and security threats.

The TZ Series includes additional advanced networking features such as IPSec and SSL VPN, multiple ISP failover, load balancing, optional integrated 802.11n wireless and network segmentation, and also enables PCI compliance. The TZ Series is the only available UTM firewall that

provides native VPN remote access client for Apple® iOS, Google® Android™, Windows, Mac OS and Linux. This unique client also supports Clean VPN™, which decontaminates threats from VPN traffic. Providing the most secure support for mobile platforms, only Dell SonicWALL delivers full malware scanning of SSL encrypted traffic and application control for Android and iOS devices.

The new TZ Series is an elegant integration of multiple point products, combined into a single solution providing value while reducing complexity.

About Dell SonicWALL

Dell SonicWALL develops advanced intelligent network security and data protection solutions that adapt as organizations and threats evolve. Dell SonicWALL designs award-winning hardware, software and virtualappliance solutions to detect and control applications and protect networks from intrusions and malware attacks. Dell SonicWALL is trusted by small businesses and large enterprises worldwide. Since 1991, it has shipped over two million appliances through its global network of channel partners to keep tens of millions of business computer users safe and in control of their data.

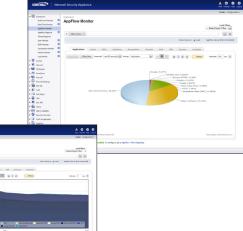


- Built on the proven security architecture of SonicOS, the TZ Series provides highly effective anti-malware and intrusion prevention to keep networks safe from sophisticated modern threats.
- Highly secure SSL VPN remote access is available natively for Apple iOS, Google Android, Windows, Mac OS and Linux based devices to unleash the potential of a mobile workforce.
- Dell SonicWALL content and URL filtering blocks multiple categories of objectionable web content to enable high workplace productivity and reduce legal liability.
- Easy to comprehend and quick to deploy, the graphical user interface in the TZ Series eliminates the choice between ease-of-use and power, driving down total cost of ownership.

Dell SonicWALL architecture

The Dell SonicWALL TZ 205 and TZ 215 feature dual-core Cavium CPUs, which process parallel data streams simultaneously, increasing overall protection and performance. Dual-core technology offers superior performance, scalability, and energy efficiency when compared with network security platforms based on general-purpose processors with separate security co-processors, or Application-Specific Integrated Circuits (ASIC), which can't keep up with evolving complex attacks in real time from both inside and outside the network

perimeter. The advanced high performance dual-core architecture makes the TZ Series the fastest solution in its class, with performance levels of up to 500 Mbps of stateful throughput, 110 Mbps deep packet inspection throughput and 130 Mbps 3DES or AES VPN throughput.



SonicOS software

Dell SonicWALL's patented*
Reassembly-Free Deep Packet
Inspection® (RFDPI) technology
enables simultaneous, multi-threat and
application scanning and analysis of
unlimited files sizes and connections
at extremely high speeds. This single
code base is at the core of every Dell
SonicWALL firewall, from the TZ 105
to the Dell SonicWALL SuperMassive
E10800. The SuperMassive E10800
earned the coveted 'Recommend' rating
in NSS Labs 2013 Next-Generation

Firewall Security Value Map for the second year in a row and Dell SonicWALL rates as one of the top vendors for security effectiveness. RFDPI is tightly integrated into the firewall platform, streamlining management of granular firewall policies, directly via the firewall interface or via the Dell SonicWALL Global Management System. Organizations can choose from an entire line of proven Dell SonicWALL firewalls with SonicOS, which massively scale to meet the needs of the highest performance networks.



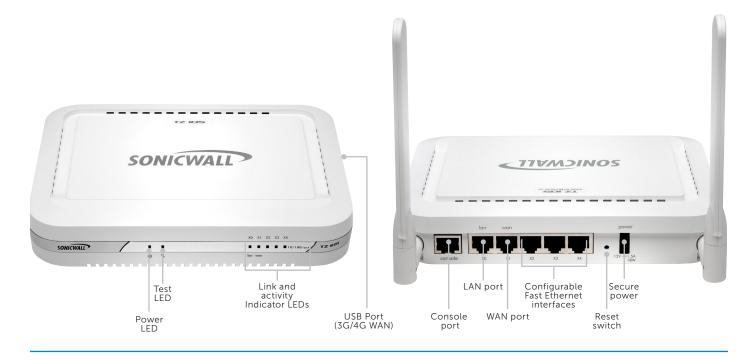
*U.S. Patents 7,310,815; 7,600,257; 7,738,380; 7,835,361; 7,991,723

	T7 405	T7.005	T7 04 5
	TZ 105	TZ 205	TZ 215
Firewall overview			
Stateful Packet Inspection Firewall throughput	200 Mbps	500 Mbps	500 Mbps
IPS throughput	60 Mbps	80 Mbps	110 Mbps
GAV throughput	40 Mbps	60 Mbps	70 Mbps
VPN throughput	75 Mbps	100 Mbps	110 Mbps
Full DPI (UTM)	25 Mbps	40 Mbps	60 Mbps
Maximum UTM/DPI connections	8,000	12,000	32,000
Unlimited file size protection	•	•	•
Hardware Dual core processor Gigabit ethernet		•	•
802.11n support	•	•	•
Dual band 802.11 a/b/g/n support		•	•
Security services			
Intrusion protection*	•	•	•
Gateway Anti-Virus, Anti-Spyware and Cloud AV*	•	•	•
Content and URL Filtering (CFS)*	•	•	•
Enforced Client Anti-Virus and Anti-Spyware*	•	•	•
Application Intelligence and Control*			•

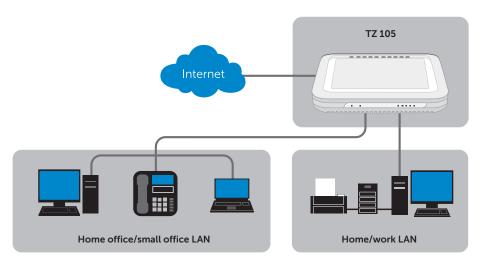
^{*}Available with subscription service



Dell SonicWALL TZ 105 home office/small office



The new Dell SonicWALL TZ 105 is the most secure Unified Threat Management (UTM) firewall available for small offices, home offices and small retail deployments. Unlike consumer-grade products, the TZ 105 delivers the proven, most effective intrusion prevention, anti-malware and content/URL filtering, along with the broad mobile platform support for laptops, smartphones and tablets. It provides full deep packet inspection (DPI) at very high performance levels, eliminating the network bottleneck that other products introduce, and enabling organizations to realize increased productivity gains without the increased cost.



Hardware description

TZ 105 TotalSecure 1-year TZ 105 Wireless-N TotalSecure International 1-year 01-SSC-4906 01-SSC-4910

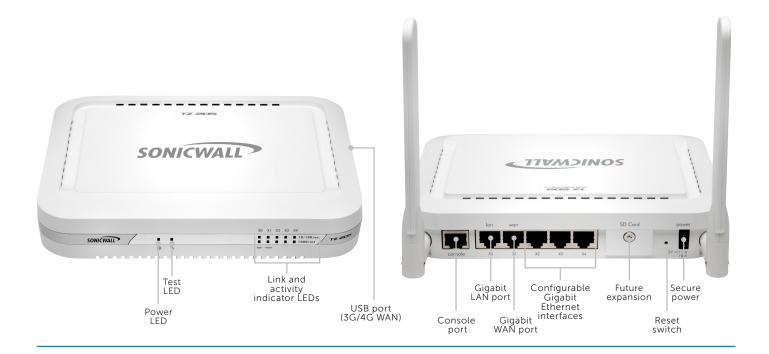
Service description

Comprehensive Gateway Security Suite 1-year Gateway Anti-Virus, Intrusion Prevention and Application 01-SSC-4844 Control 1-year Content/URL Filtering 1-year 01-SSC-4850 Comprehensive Anti-Spam Service 1-year 01-SSC-4871 8x5 Support 1-year 01-SSC-4856 24x7 Support 1-year 01-SSC-4862

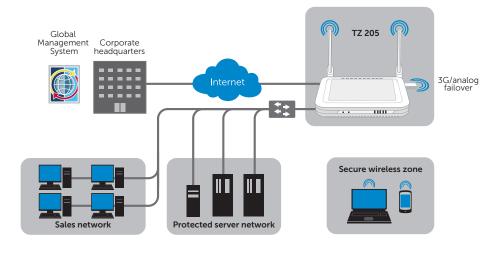


01-SSC-4877

Dell SonicWALL TZ 205 small office/retail



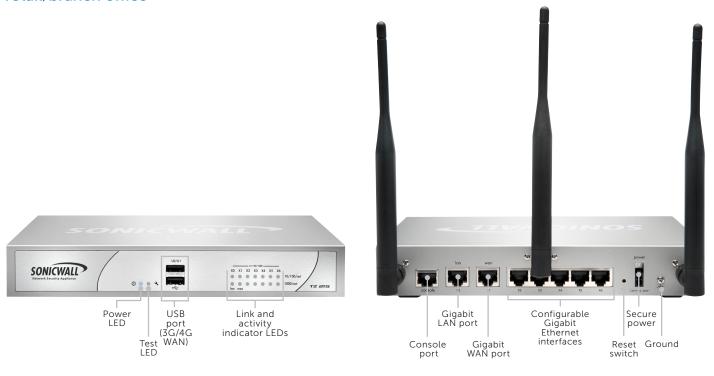
Small businesses, retail deployments, government organizations, remote sites and branch offices can benefit from the powerful security and business-class performance of the new Dell SonicWALL TZ 205. Unlike consumer grade products, this powerful Unified Threat Management (UTM) firewall combines the most effective intrusion prevention, antimalware and content/URL filtering with the broadest, most secure mobile platform support for laptops, smartphones and tablets. By providing full deep packet inspection (DPI) at very high performance levels, it eliminates the tradeoff between comprehensive security and performance.



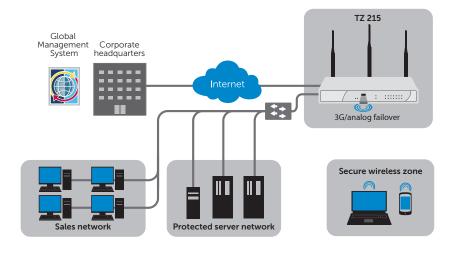
Hardware description	SKU	Service description	SKU
TZ 205	01-SSC-6945	Comprehensive Gateway Security Suite 1-year	01-SSC-4838
TZ 205 Wireless-N International	01-SSC-4883	Gateway Anti-Virus, Intrusion Prevention and Application	01-SSC-4799
TZ 205 TotalSecure 1-year	01-SSC-4890	Control 1-year	
TZ 205 Wireless-N TotalSecure International 1-year	01-SSC-4894	Content/URL Filtering 1-year	01-SSC-4805
,		Comprehensive Anti-Spam Service 1-year	01-SSC-4832
		8x5 support 1-year	01-SSC-4811
		24x7 support 1-year	01-SSC-4817



Dell SonicWALL TZ 215 retail/branch office



The new Dell SonicWALL TZ 215 is the most secure, highest performance Unified Threat Management (UTM) firewall available for small businesses and branch offices. Designed for small businesses, distributed enterprises, branch offices and retail deployments, the TZ 215 integrates anti-malware, intrusion prevention, application control and URL filtering, driving down cost and complexity. It provides a dual-core architecture delivering full deep packet inspection (DPI) without diminishing network performance, thus eliminating bottlenecks that other products introduce, enabling businesses to realize increased productivity gains. The TZ 215 also provides application control to ensure bandwidth for critical applications, while throttling nonproductive ones. Advanced networking features include multiple ISP failover and load balancing. optional dual-band secure wireless, IPSec VPN support, network segmentation and PCI compliance capabilities.



Hardware description	SKU	Service description	SKU
TZ 215	01-SSC-4976	Comprehensive Gateway Security Suite 1-year	01-SSC-4793
TZ 215 Wireless-N International	01-SSC-4969	Gateway Anti-Virus, Intrusion Prevention, and Application	01-SSC-4757
TZ 215 TotalSecure 1-year	01-SSC-4982	Intelligence, Control and Visualization 1-year	
TZ 215 Wireless-N TotalSecure International 1-year	01-SSC-4986	Content/URL Filtering 1-year	01-SSC-4763
		Comprehensive Anti-Spam Service 1-year	01-SSC-4787
		8x5 support 1-year	01-SSC-4769
		24x7 support 1-year	01-SSC-4775



Features

Intrusion prevention	
Feature	Description
Signature-based	Tightly integrated, signature-based intrusion prevention scans packet payloads for vulnerabilities scanning and exploits that target critical internal systems.
Automatic signature updates	Dell SonicWALL's Research Team continuously updates and deploys an extensive list of over 5,400 IPS signatures covering 52 attack categories. These signatures take immediate effect and do not require reboots or any other interruption in service.
Outbound threat prevention	The ability to inspect both inbound and outbound traffic ensures that the network will not unwittingly be used in Distributed Denial of Service attacks and will prevent any Command and Control Botnet communication.
Intra-zone IPS protection	Intrusion prevention can be deployed between internal security zones to protect sensitive servers and to prevent internal attacks.
VPN	
IPSec VPN for site- to-site connectivity	High-performance IPSec VPN allows the firewall to connect remote branch offices to a central location.
SSL VPN or IPSec client remote access	Utilize clientless SSL VPN technology or an easy-to-manage IPSec client for easy access to email, files, computers, intranet sites and applications from a variety of platforms.
Redundant VPN gateway	When using multiple WANs, a primary and secondary VPN can be configured to allow seamless automatic failover and failback of all VPN sessions.
Route-based VPN	The ability to perform dynamic routing over VPN links ensures continuous uptime in the event of temporary VPN tunnel failure by seamlessly re-routing traffic between endpoints through alternate routes.
Clean VPN	Dell SonicWALL Clean VPN™ both secures the integrity of VPN access and decontaminates malicious threats before they can enter the corporate network.
Gateway threat prevention	on
Gateway anti-malware	Dell SonicWALL's patented RFDPI engine scans all ports and protocols for viruses without file size or stream length limitation. SonicLabs Researchers constantly provide updated threat protection, providing faster response times and threat prevention.
Reassembly-Free Deep Packet (RFDPI)	Reassembly-Free Deep Packet Inspection keeps track of malware regardless of the order or inspection timingwith which the packets arrive. This allows for extremely low latency while eliminating file and stream size limitations. This provides greater performance and security than outdated proxy designs which reassemble contents using sockets bolted to traditional anti-virus programs and are plagued with inefficiencies and the overhead of memory thrashing leading to high latency, low performance and size limitations.
Cloud anti-virus	Using the built-in RFDI engine, Dell SonicWALL can leverage the power of the cloud to provide the most comprehensive set of anti-malware signatures available, while minimizing latency or delay. The Dell SonicWALL Cloud Anti-Virus Service provides millions of additional malware signatures for inspection of executable files using the most up-to-date information available.
Bi-directional Inspection	RFDPI can be performed on both inbound and outbound connections to provide protection in all networktraffic directions.
24x7 signature updates	SonicLabs Research Team team creates and updates signature databases that are propagated automatically to the firewalls in the field, with those signatures taking immediate effect without any reboot or service interruption required.
Firewall and networking	
Stateful packet inspection	All network traffic is inspected, analyzed and brought into compliance with firewall access policies
DOS attack protection	SYN Flood protection provides defense against DOS attacks using both layer 3 SYN proxy and layer 2 SYN blacklisting technologies.
Flexible deployment	Can be deployed in traditional NAT and Layer 2 Bridge modes.
Policy-based routing	Create routes based on protocol to direct traffic to a preferred WAN connection with the ability to fail backto a secondary WAN in the event of an outage.
High availability	Supports Active/Passive failover to ensure increased reliability by protecting against hardware or software faults.
WAN load balancing	Load balance up to four WAN interfaces using Round Robin, Spillover or Percentage based methods
WAN acceleration	WAN Acceleration decreases latency and increases transfer speeds between remote sites for even higher network efficiency gains.



Features

VoIP	
Feature	Description
Advanced QoS	Guarantee critical communications with 802.1p and DSCP tagging and remapping of VoIP traffic on the network.
DPI of VoIP traffic	Predefined signatures detect and block VoIP specific threats.
H.323 gatekeeper and SIP proxy support	Block spam calls by requiring that all incoming calls are authorized and authenticated by H.323 gatekeeper or SIP proxy.
Management and moni	toring
Web GUI	An intuitive web-based interface allows quick and convenient configuration in addition to management through Dell SonicWALL Global Management System (GMS®), or the CLI.
SNMP	SNMP provides the ability to protectively monitor and respond to threats and alerts.
Netflow/IPFIX	Export an extended set of data through IPFIX or NetFlow protocols for granular insight into application traffic, bandwidth utilization and security threats in addition to powerful troubleshooting and forensics capabilities. Compatible with Dell SonicWALL Scrutinizer and third-party monitoring and reporting applications. (TZ 215 only)
Centralized policy from management	With Dell SonicWALL GMS, monitor, configure and report on multiple Dell SonicWALL appliances a single intuitive interface and customize your security environment to suit your individual policies.
Application intelligence	e and control
Application control	Identify and control applications or individual components of an application based on RFDPI technology instead of relying on well-known ports and protocols.
Application bandwidth management	Allocate bandwidth to critical applications while throttling unproductive application traffic for an efficient and productive network.
Custom application identification	Create and configure custom application identification based on traffic parameters or on patterns unique to an application in its network communications.
Application traffic analytics	Provides organizations with granular insight into application traffic, bandwidth utilization and security in addition to powerful troubleshooting and forensics capabilities. (TZ 215 only)
Application signature database	A continuously expanding database of over 3,500 application signatures ensures that administrators are able to control the usage of all the latest applications on their network at a category or individual level.
User activity tracking	User identification is seamlessly integrated with Microsoft® Active Directory and other authentication systems enabling tracking and reporting of individual user identification.
GeoIP country traffic identification	Identify and control network traffic going to or coming from specific countries. (TZ 215 only)

Firewall and networking

Firewall

- Reassembly-Free Deep Packet Inspection
- Stateful packet inspection
- DOS attack protection
- TCP reassembly
- Stealth mode

Application control

- Application control
- Application component blocking
- Application bandwidth management
- Custom application signature creation
- AppFlow visualization
- Data leakage prevention
- IPFIX with extensions reporting
- User activity tracking
- GeoIP country traffic identification
- Comprehensive application signature database

Intrusion prevention

- Signature-based scanning
- Automatic signature updates
- Outbound threat prevention
- IPS exclusion list

- Hyperlinked log messages
- Unified CFS and app control with bandwidth throttling

Anti-malware

- Stream-based malware scanning
- Gateway anti-virus
- Gateway anti-spyware
- Cloud Anti-Virus Service

VoIP

- Advanced QoS
- Bandwidth management
- DPI of VoIP traffic
- Full Interoperability
- H.323 gatekeeper and SIP proxy support

Networking

- Dynamic routing
- Policy-based routing
- Advanced NAT
- DHCP server
- · Bandwidth management Link aggregation
- Port redundancy
- · High availability

- IPv6 ready
- Load balancing

Management and monitoring

- Web GUI
- Command line interface
- SNMP
- Analyzer reporting
- Scrutinizer reporting
- GMS policy management and reporting
- Logging
- Netflow/IPFix
- App visualization
- Centralized policy management
- Single sign-on
- Terminal service/Citrix support

Security services

- Intrusion Prevention Service
- Gateway Anti-Malware Service
- Content Filtering Service
- Enforced Client Anti-Virus and Anti-Spyware Service – McAfee®
- Application Intelligence, Control and Visualization Service



Specifications

Major regulatory compliance
Environment/humidity
MTBF

irewall	TZ 105 Series	TZ 205 Series	TZ 215 Series
ionicOS version		SonicOS 5.8.1 and later	
tateful throughput ¹	200 Mbps	500 Mbps	500 Mbps
PS throughput ²	60 Mbps	80 Mbps	110 Mbps
GAV throughput ²	40 Mbps	60 Mbps	70 Mbps
TM throughput ²	25 Mbps	40 Mbps	60 Mbps
aximum connections ³	8,000	12,000	48,000
aximum UTM/DPI connections	8,000	12,000	32,000
ew connections/sec	1,000	1,500	1,800
odes supportedA	Unrestricted	1,500	1,000
enial of service attack protection	omesticted	22 classes of DoS, DDoS and scanning attack	e e
pnicPoints supported	1	2	16
	1	2	10
PN			1.75
DES/AES throughput ⁴	75 Mbps	100 Mbps	130 Mbps
e-to-site VPN tunnels	5	10	20
indled GVC licenses (maximum)	0 (5)	2 (10)	2 (25)
indled SSL VPN licenses (maximum)	1 (5)	1 (10)	2 (10)
cryption/Authentication/DH Group	DES, 3DES	s, AES (128, 142, 256-bit), MD5, SHA-1/DH Gro	
tual assist bundled (maximum)	_	1 (30-day trial)	2 (30-day trial)
y exchange	IKE	, Manual Key, Certificates (X.509), L2TP over I	PSec
rtificate support	Verisign, Thawte, Cybe	ertrust, RSA Keon, Entrust and Microsoft CA fo	Dell SonicWALL-to-Dell SonicWALL VPN, SCEP
N features		DHCP Over VPN, IPSec NAT Traversal, Redund	
obal VPN client platforms supported		oft® Windows XP, Vista 32/64-bit, Windows 7	
L VPN platforms		/Vista 32/64-bit/Windows 7, Mac OSX 10.4+, I	
bbile Connect platform supported		e® iOS 4.2 or higher, Google® Android™ 4.0 or	
curity services		C. Community of the Com	Late III and the second
ep Packet Inspection services		nti-Spyware, Intrusion Prevention, Application	
ontent Filtering Service (CFS)		keyword and content scanning, ActiveX, Java	
formed Client Anti Vincens J.A. C.	pandwid	th management on filtering categories, allow	iorpid tists
forced Client Anti-Virus and Anti-Spyware		McAfee®	
omprehensive Anti-Spam Service ⁶		Supported	A [1]1
pplication Intelligence and Control	Application	on control	Application Traffic Visualization an Advanced Application Control
American			Advanced Application Control
etworking			
address assignment		PPOE, L2TP and PPTP client), Internal DHCP s	
AT modes		, many:many, flexible NAT (overlapping IPs), P.	
.ANS	5, PortShield	10, PortShield	20, PortShield
HCP		Internal server, relay	
	OCDE I	RIP v1/v2, static routes, policy-based routing,	multicast
outing	O3FF, F	til v1/v2, static routes, policy based routing,	
-		Directory, SSO, LDAP, Novell, internal user da	
uthentication		Directory, SSO, LDAP, Novell, internal user da	
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ocal user database	XAUTH/RADIUS, Active	Directory, SSO, LDAP, Novell, internal user da	atabase, Terminal Services, Citrix gement, VoIP over WLAN,
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³Testing Methodologies: Maximum performance based on RFC 2544 (for firewall). Actual performance may vary depending on network conditions and activated services. ²UTM/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. ³Actual maximum connection counts are lower when DPI services are enabled. ⁴VPN throughput measured using UDP traffic at 1280 byte packet size adhering to RFC 254. ³ 3G card and modema ere not included. See http:// www.sonicwall.com/us/products/cardsupport.html for supported USB devices. ⁸The Comprehensive Anti-Spam Service supports an unrestricted number of users but is recommended for 250 users or less. ⁹With Dell SonicWALL WXA Series Appliances.

40-105° F, 0-40° C/ 5-95% non-condensing 28 years/15 years







Security Monitoring Services from Dell SecureWorks are available for this appliance Series. For more information, visit www.dell.com/secureworks

