



SonicWALL TZ Series

NETWORK SECURITY

Fast, Flexible and Comprehensive Unified Threat Management Protection

- **High-performance Reassembly-free Deep Packet Inspection™ firewall**
- **Real-time gateway anti-virus, anti-spyware, anti-spam and intrusion prevention**
- **Modular design with 3G and analog modem support**
- **Secure 802.11b/g/n wireless LAN**
- **Advanced IPSec and SSL VPN**
- **Port level security**
- **Intuitive configuration wizards**
- **Global management and reporting**

Many businesses today are forced to choose between network security and network performance. Continuously increasing levels of attacks—viruses, worms, intrusions, malicious content and other threats—require the use of a broad range of network security services to provide sufficient protection. At the same time, the availability and use of faster broadband services is becoming commonplace. This means that today's firewall must scan ever-increasing amounts of network traffic in greater depth than ever before. As a result, businesses are forced to compromise either firewall performance or network security just to keep their business functioning.

With the SonicWALL® TZ Series of network security appliances there is no compromise. The TZ Series delivers industry leading Unified Threat Management (UTM) network protection services, featuring SonicWALL's patented Reassembly-free Deep Packet Inspection™ technology*, to detect and remove threats. In addition, the TZ Series provides unparalleled UTM throughput performance, up to 50 Mbps, to ensure network performance is not compromised while providing the security every business requires.

The TZ Series is designed for small and medium sized businesses as well as distributed enterprises with remote and branch offices. The TZ Series consists of the **SonicWALL TZ 180, TZ 190 and TZ 210** appliances which provide cost-effective yet uncompromising security, high speed IPSec and SSL VPN technologies, and optional 802.11b/g/n wireless and optional 3G wireless broadband.

Each TZ Series appliance is available as a SonicWALL® TotalSecure™ solution, conveniently bundling all hardware and services needed for comprehensive network protection from a wide range of emerging network threats.

Features and Benefits

A configurable **high-performance Reassembly-free Deep Packet Inspection™ firewall** provides enterprise-class protection for key Internet services such as Web, e-mail, file transfer, Windows services and DNS.

Gateway anti-virus, anti-spyware, anti-spam and intrusion prevention provides real-time security against the latest viruses, spyware, spam, software vulnerabilities and other malicious code.

The TZ 190s **modular design features 3G wireless broadband and analog modem support** for use as either a primary or secondary WAN connection.

Secure 802.11b/g/n wireless LAN technologies provide secure high-speed wireless connectivity.

Advanced IPSec and SSL VPN provides secure office to office and remote access connectivity

SonicWALL PortShield Architecture provides the flexibility to configure **port level security** for the LAN, providing protection between devices inside the LAN.

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

Award-winning **Global Management System (GMS)** provides comprehensive global management and reporting tools for simplified configuration, enforcement and management from a central location.

Consult the Key Features table for a list of features supported on each product.

TZ 180/TZ 180 Wireless

A highly flexible network security platform that provides threat protection for home, small, remote and branch offices.

TZ 190/TZ 190 Wireless

A complete network security platform for small businesses, branch offices or portable networks that adds modular PC and WAN support.

TZ 210/TZ 210 Wireless-N

The fastest multi-layered network security solution in its class, providing small businesses with unparalleled UTM protection at gigabit Ethernet speeds.

*U.S. Patent 7,310,815—A method and apparatus for data stream analysis and blocking.



SonicWALL TZ Series - Wired and Wireless Security for Mission-critical Networks

Key Features



Features	TZ 180 Series	TZ 190 Series	TZ 210 Series
Interfaces	7 Fast Ethernet	10 Fast Ethernet	2 Gigabit Ethernet 5 Fast Ethernet
USB Ports	–	–	2 (Future use)
SonicOS Version	Standard	Enhanced	Enhanced
Upgradeable to SonicOS Enhanced	Yes	–	–
Site-to-Site IPSec VPN	S	S	S
Global IPSec VPN Clients for Remote Access	0	S	S
SSL VPN for Remote Access	–	–	S
Deep Packet Inspection Firewall	S	S	S
Stateful Packet Inspection Firewall	S	S	S
Easy-to-Follow Configuration Wizards	S	S	S
Streamlined GUI	S	S	S
Wireless Firewalling	S	S	S
Wireless Intrusion Detection Services	S	S	S
Wireless Guest Services	S	S	S
Lightweight HotSpot Messaging	S	S	S
Inter-zone Scanning	S	S	S
Voice over IP (VoIP) Security	S	S	S
Manageable via SonicWALL's Award-winning Global Management System (GMS)	S	S	S
Optional 802.11b/g Wireless LAN	S	S	S
Optional 802.11n Wireless LAN	–	–	S
Advanced Wireless Security (WPA/ WPA2)	S	S	S
Payment Card Industry (PCI) Compliance	S	S	S
Performance Optimized Mode	S	S	S
RBL Spam Blocking	O	S	S
PortShield Security	O	S	S
Integrated and Automated Failover and Failback	O	S	S
Object-based Management	O	S	S
Policy-based NAT	O	S	S
Load Balancing	O	S	S
SonicPoint Management	O	S	S
Configurable Optional Port	TZ 180 = S TZ 180 W = O	S	–
Dynamic Routing (RIPV1/V2, OSPF)	–	–	S
Hardware Failover	–	–	Active/Passive (Stateless)
3G Wireless WAN Support	–	Standard with PC Card*	–
Analog Modem Support	–	Standard with PC Card*	–

S = Standard Feature O = Optional Upgrade – = Feature Not Available

*Card not included. See <http://www.sonicwall.com/us/cardsupport.html> for supported 3G PCMCIA Type II cards and analog modem PCMCIA cards.

SonicOS



SonicOS Standard allows rapid deployment in basic networks with a user-friendly Web interface and powerful configuration wizards. Building upon SonicOS Standard, SonicOS Enhanced is a sophisticated software upgrade that integrates a host of advanced features to meet the business continuity, configuration flexibility and management requirements of complex networks today and into the future.

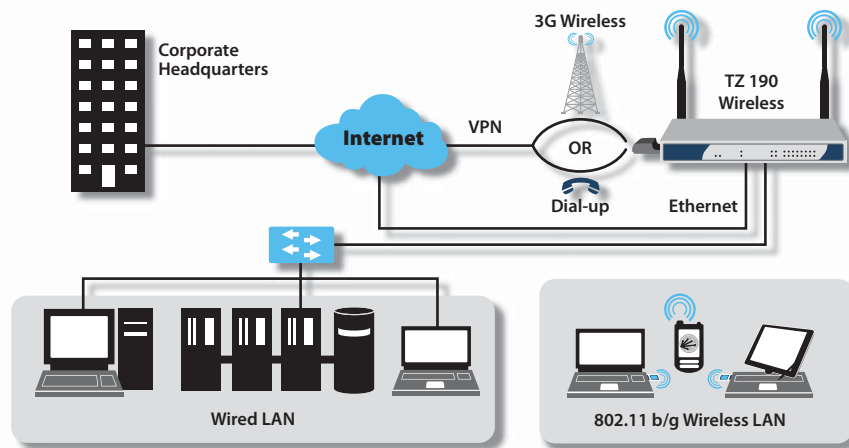
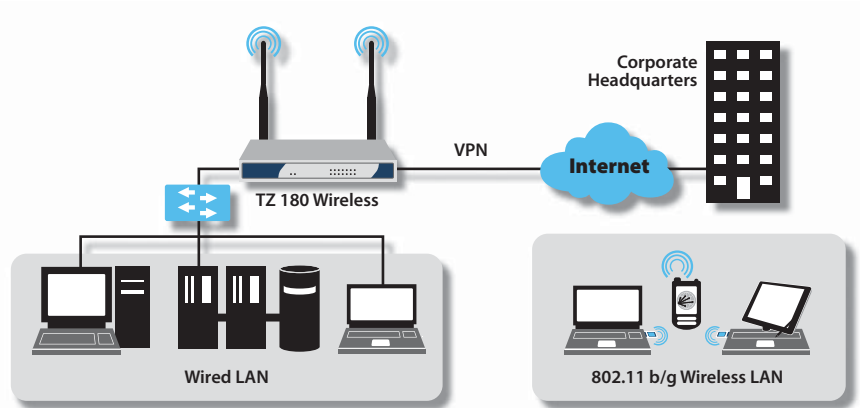
**SonicWALL's
TZ Series is the
ultimate security
platform for
small and
distributed
networks,
including remote
and branch
offices and
retail/POS
deployments**

Applications

SonicWALL TZ 180 Series

Designed as a complete Unified Threat Management (UTM) platform delivering business-class protection to small, remote and branch office networks, the TZ 180 Series features an integrated 5-port auto-sensing MDIX switch and configurable optional port.

- Engineered for fast Threat Management performance on networks running gateway anti-virus, anti-spyware, anti-spam and intrusion prevention
- Integrated 802.11b/g wireless LAN with WPA2 support delivers increased security and flexibility as well as greater range for wireless users
- Inter-zone scanning combines with Unified Threat Management protection to eliminate threats no matter where they originate—inside or outside the network



SonicWALL TZ 190 Series

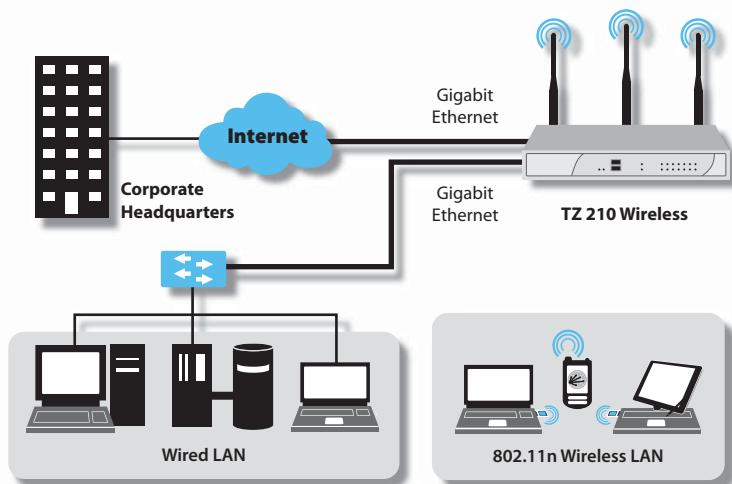
A high-performance security platform for small networks with mission-critical needs, the TZ 190 Series features an integrated Type II PC Card slot for use as either the primary or backup WAN connection. The TZ 190 also includes automated failover/failback, a deep packet inspection firewall and optional 802.11b/g wireless LAN access. Building on the capabilities of the TZ 180 Series, the TZ 190 Series provides additional functionality including:

- Rapidly establish secure 3G wireless broadband network access in an instant without the need for a fixed Internet connection
- Adherence to PCI standards make this the ultimate solution for retail point-of-sale merchants and service providers who require secure transmission of customer information
- Modular design enables the use of a wide range of PC cards (3G, analog modem) for greater usage flexibility

SonicWALL TZ 210 Series

The flagship of the SonicWALL TZ Series, the TZ 210 Series is the fastest multi-layered network security solution in its class, and the first to offer small businesses and remote/branch offices unparalleled Unified Threat Management protection against continually-evolving threats at blazingly fast gigabit Ethernet speeds. The TZ 210 integrates a powerful deep packet inspection firewall, automated failover/failback technologies and optional 802.11n, the ultimate in high-speed wireless communications.

- 802.11n support delivers significant improvements in wireless communication performance
- Deep Packet Inspection throughput speeds up to 50 Mbps enable industry leading security with no compromise in performance
- Gigabit Ethernet WAN and LAN ports along with five Fast Ethernet ports provides flexible deployment options for any organization
- SSL VPN provides easy and secure remote access to network resources and applications



Specifications



SonicWALL TZ 180
01-SSC-6550
SonicWALL TZ 180 Wireless
01-SSC-6554 (International)
SonicWALL TZ 180 TotalSecure 10
01-SSC-6097
SonicWALL TZ 180 Wireless
TotalSecure 10
01-SSC-6099 (International)
SonicWALL TZ 180 TotalSecure 25
01-SSC-6085
SonicWALL TZ 180 Wireless
TotalSecure 25
01-SSC-6095 (International)



SonicWALL TZ 190
01-SSC-6850
SonicWALL TZ 190 Wireless
01-SSC-6853 (International)
SonicWALL TotalSecure 3G
(TZ 190)
01-SSC-6087
SonicWALL TotalSecure 3G Wireless
(TZ 190 W)
01-SSC-6096 (International)
SonicWALL PC Card to ExpressCard
Adapter (for TZ 190)
01-SSC-2887



SonicWALL TZ 210
01-SSC-8753
SonicWALL TZ 210 Wireless-N
01-SSC-8755 (International)
SonicWALL TZ 210 TotalSecure
01-SSC-8769
SonicWALL TZ 210 Wireless-N
TotalSecure (International)
01-SSC-8782



SonicWALL PC Card to
ExpressCard Adapter
(for TZ 190)
01-SSC-2887

	TZ 180 Series	TZ 190 Series	TZ 210 Series
Firewall			
Nodes Supported	10/25 Unrestricted	Unrestricted	Unrestricted
Stateful Packet Inspection Throughput	90 Mbps	90 Mbps	200 Mbps
UTM Throughput	10 Mbps	10 Mbps	50 Mbps
Connections	6,000	6,000	8,000
Policies	100/250*	250	250
Denial of Service Attack Protection	22 classes of DoS, DDoS and scanning attacks		
VPN			
3DES/AES Throughput	30 Mbps	30 Mbps	75 Mbps
Site-to-Site VPN Tunnels	2 (10 Node), 10 (25 Node)	15	15
Bundled Global VPN Client Licenses	0 (10 Node), 1 (25 Node)	2	2
Maximum Global VPN Client Licenses	5 (10 Node), 25 (25 Node)	25	25
Bundled SSL VPN Licenses	-	-	2
Maximum SSL VPN Licenses	-	-	10
Encryption/Authentication	DES, 3DES, AES (128, 192, 256-bit), MD5, SHA-1		
Key Exchange	Key Exchange IKE, IKEv2, Manual Key, PKI (X.509)		
L2TP/IPSec	Yes		
Certificate Support	Verisign, Thawte, Cybertrust, RSA Keon, Entrust, and Microsoft CA for SonicWALL-to-SonicWALL VPN		
Dead Peer Detection	Yes		
DHCP Over VPN	Yes		
IPSec NAT Traversal	Yes, NAT_Tv00 and v03		
Redundant VPN Gateway	Yes		
Global VPN Client Platforms Supported	Microsoft® Windows 2000, Windows XP, Vista 32-bit		
SSL VPN Platforms Supported	Not Supported		Microsoft® Windows 2000 / XP / Vista 32/64-bit, Mac 10.4+, Linux FC 3+ / Ubuntu 7+ / OpenSUSE
Networking			
DHCP Routing	Internal server, relay		
NAT Modes	1:1, 1:many, many:many, transparent mode	1:1, 1:many, many:1, many:many, flexible NAT (overlapping IPs), PAT, transparent mode	
Routing	RIPv1/v2 advertisement, static routes, policy-based routing* (SonicOS Enhanced only), multicast		
Authentication	RADIUS, Active Directory*, LDAP*, internal user database		
DDNS	Support for services offered by the following dynamic DNS providers: dyndns.org, yi.org, no-ip.com and changeip.com		
User Database	100/150*	150	150
VOIP	Full H.323v1-5, SIP, gatekeeper support, outbound bandwidth management, call tracking and monitoring		
Zone Security	Yes*	Yes	Yes
Object-based Management	Yes*	Yes	Yes
PortShield Security*	Yes*	Yes	Yes
Management and Monitoring	Local CLI, Web GUI (HTTP, HTTPS), SNMP v2; Global management with SonicWALL GMS		
Anti-Spam	RBL support, Allowed/Blocked Lists, Optional SonicWALL Anti-Spam Desktop available		
Load Balancing	Yes, with percent-based, round robin and spill-over*		
Build-in Wireless LAN			
Standards	802.11b/g, WEP, WPA, WPA2, 802.11i, TKIP, PSK, QoS, EAP-PEAP, EAP-TTLS	802.11b/g/n, WEP, WPA, WPA2, 802.11i, TKIP, PSK, QoS, EAP-PEAP, EAP-TTLS	
Antennas	Dual, detachable, external 5 dBi diversity		Triple, detachable, external 5 dBi diversity
Radio Power	802.11b 802.11g 802.11n		802.11b 802.11g 802.11n
	13 dBm maximum 20 dBm maximum @ 6-48 Mbps, 19 dBm @ 54 Mbps		18 dBm maximum 18 dBm maximum @ 6-48 Mbps, 14 dBm @ 54 Mbps 19 dBm MCS 0, 12 dBm MCS 15
Radio Receive Sensitivity	802.11b 802.11g 802.11n		802.11b 802.11g 802.11n
	-89 dBm @ 11 Mbps -91 dBm @ 6 Mbps, -73 dBm @ 54 Mbps		-90 dBm @ 11 Mbps -91 dBm @ 6 Mbps, -74 dBm @ 54 Mbps -89 dBm MCS 0, -70 dBm MCS 15
Hardware			
Memory	128 MB	128 MB	256 MB
Flash Memory	16 MB	16 MB	32 MB
PC Card	-	3G or 56k analog modem	-
Modem Dial-up	-	With Modem PC Card**	-
USB Ports	-	-	2 (Future use)
Power Input	100 to 240 VAC, 50-60 Hz, 1 A		
Max Power Consumption	5.5 W/7.9 W (TZ 180 W)	12.7 W/15.1 W (TZ 190 W)	9.4 W/11.7 W (TZ 210 W)
Total Heat Dissipation	26.0 BTU/34.0 BTU (TZ 180 W)	43.8 BTU/51.6 BTU (TZ 190 W)	33 BTU/40 BTU (TZ 210 W)
Certifications (Pending)	ICSA Firewall 4.1, ICSA IPSec VPN 1.0d, FIPS 140-2, VPNC AES, Common Criteria EAL-2, WiFi		
Dimensions	8.3 x 4.9 x 1.1 in (21.1 x 12.4 x 2.8 cm)	10.0 x 7.0 x 1.2 in (25.4 x 17.8 x 3.0 cm)	8.9 x 5.9 x 1.9 in (22.5 x 14.9 x 3.6 cm)
Weight	1.40 lbs/0.64 kg 2.40 lbs/1.09 kg (TZ 180 W)	2.00 lbs/0.92 kg 2.20 lbs/1.00 kg (TZ 190 W)	2.0 lbs/1.0 kg 2.5 lbs/1.1 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	40-105° F, 5-40° C		
MTBF	8.5 Years	9.6 Years	8.0 Years (min.)

*With SonicOS Enhanced. **Modem card not included. See <http://www.sonicwall.com/us/tz190cards.html> for supported analog modem PCMCIA cards.

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