



SonicWALL TZ 190

NETWORK SECURITY

Secure 3G Wireless Broadband Networking in an Instant

- **Instant 3G wireless broadband access**
- **High performance deep packet inspection firewall**
- **Integrated gateway anti-virus, anti-spyware and intrusion prevention****
- **Support for both GSM and CDMA based 2G/3G networks**
- **Automated WAN failover and failback**
- **Intuitive configuration wizards**
- **Port level security**
- **Secure wireless LAN controller**
- **Global management and reporting**

Organizations depend on high-speed broadband Internet connections for maximum employee productivity, and for exchanging confidential customer information and sensitive business data. In many instances this requires an Internet connection in areas where wired networks—DSL, leased line, ISDN and others—are unavailable or require time consuming installation and provisioning.

The SonicWALL® TZ 190, featuring a deep packet inspection architecture, enables organizations to establish secure 3G wireless broadband network access in an instant without the need for a fixed Internet connection. By leveraging recent advances in 3G wireless broadband technologies, organizations can rapidly establish high-speed access for seasonal kiosks, mobile point-of-sale stations, portable ATM machines, disaster recovery networks and more.

The TZ 190 is a high-performance, multi-layered network security platform that integrates Type II PC Card* based 3G wireless broadband support, hardware accelerated IPSec VPN, automated failover/failback technologies and a deep packet inspection firewall. Built on SonicWALL's powerful SonicOS Enhanced operating system, the TZ 190 delivers advanced business continuity and networking features including ISP failover, policy-based NAT, bandwidth management and DDNS. The TZ 190 offers a deeper level of network security through integration of real-time gateway anti-virus, anti-spyware, intrusion prevention and anti-spam capabilities for complete protection against malicious threats that originate either internally or from the Internet.

Features and Benefits

Instant 3G wireless broadband access enables secure networking even in areas where fixed broadband is impractical.*

A configurable, **high performance deep packet inspection firewall** provides enterprise-class protection for key Internet services such as Web, e-mail, file transfer, Windows services and DNS.

Support for **integrated gateway anti-virus, anti-spyware and intrusion prevention** delivers real-time protection against the latest viruses, spyware, software vulnerabilities and other malicious code.**

Worldwide 3G wireless broadband coverage is ensured through **support for both GSM and CDMA based 2G/3G networks** including 1xRTT, EV-DO, EV-DO rev A, UMTS, GPRS, EDGE and HSDPA.

Integrated and **automated WAN failover and failback** ensures continuous uptime by failing over to an alternate WAN connection should the primary fail.

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

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

The TZ 190 functions as a **secure wireless LAN controller** that automatically detects and configures SonicWALL SonicPoint™ 802.11a/b/g wireless LAN access points.

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

*PC Card sold separately. See www.sonicwall.com/products/tz190_details.html for supported cards.

**Requires Gateway Anti-Virus, Anti-Spyware and Intrusion Prevention Service subscription



Specifications

SonicWALL TZ 190

Firewall

Nodes Supported	Unrestricted
Stateful Packet Throughput	90+ Mbps
Gateway Anti-Virus Throughput	10 Mbps
Intrusion Prevention Throughput	8 Mbps
Gateway Anti-Spyware Throughput	6 Mbps
Connections	6,000
Policies	250 per zone
Denial of Service and Protection	22 classes of DoS, DDoS scanning attacks

VPN

3DES Throughput	30+ Mbps
AES Throughput	30+ Mbps
Site-to-Site VPN	15 tunnels max
Remote Access VPN	Upgradeable to 25 simultaneous users, includes 2 licenses
Encryption	DES, 3DES, AES (128, 192, 256)
Authentication	MD5, SHA-1
Key Exchange	IKE, Manual Key, Certificates (X.509)
XAUTH/RADIUS	Yes
L2TP/IPSec	Yes
Dead Peer Detection	Yes
DHCP over VPN	Yes
IPSec NAT Traversal	Yes
Redundant VPN Gateway	Yes

Deep Inspection Security Services

Gateway Anti-Virus, Anti-Spyware and Intrusion Prevention	Extensive signature database. Peer-to-peer and instant messaging control and signature updates through Distributed Enforcement Architecture between all interfaces
Content Filtering Service (CFS)	URL, keyword and content scanning, ActiveX*, Java Applet, and Cookie blocking
Gateway-enforced Network Anti-Virus	HTTP/S, SMTP, POP3, IMAP and FTP, Enforced McAfee™ Client, E-mail attachment blocking
Bundled Features	90 days 8x5 or Software and Firmware Updates. Global VPN Clients and services as described above

Wireless LAN

Wireless LAN Controller	Included
SonicPoint Versions	802.11a/b/g and 802.11b/g
Managed SonicPoints	Maximum 8 per interface, 16 per appliance
WLAN Standards	IEEE 802.11a, 802.11b, 802.11g, 802.11d, 802.11i (Requires SonicOS Enhanced 3.7 or greater)
Power over Ethernet	SonicPoints support 802.3af PoE
WLAN Security	WPA, 64/128/152-bit WEP, TKIP, AES, 802.11i (Requires SonicOS Enhanced 3.7 or greater)

3G Wireless WAN

Wireless Signal Strength Indicator	Variable rate LED and Graphical User Interface
PC Cards Supported*	Option Globetrotter HSDPA and GT Max (HSDPA/UMTS/EDGE/GPRS) Sierra Wireless AirCard 860 (HSDPA UMTS/EDGE/GPRS) Novatel Wireless S620/S720/V620 (EV-DO/1xRTT)

Typical WWAN Throughput**

EV-DO Rev A	1,000 to 2,000 kbps
EV-DO	400 to 700 kbps
1xRTT	80 to 100 kbps
HSDPA	1,000 to 2,000 kbps
UMTS	300 to 500 kbps
EDGE	200 to 400 kbps
GPRS	80 to 100 kbps

Bandwidth Usage Reporting	Day, week, month and year upload and download traffic statistics
Card Insert/Removal Alerting	Alerts sent through wired WAN interface to remote administrator or Global Management System
WWAN Bandwidth Management	FIFO, CBQ, RFC 2309, per-interface and per access-rule, and guaranteed bandwidth, maximum bandwidth, priority

LAN

LAN Interfaces	(8) 10/100 Ethernet
PortShield	Maximum eight custom security zones
Port Speed	10 Mbps, 100 Mbps, Auto, Off
Duplex	Full, Half, Auto
Traffic Stats	TX/RX byte count, TX/RX

Networking

DHCP	Internal server, relay
NAT Modes	1:1, many:1, 1:many, many:many, flexible NAT, PAT
Policy-based Routing	Routing decisions based on combination of source IP, destination IP, service
WAN Modes	NAT and Transparent modes with static or dynamic addressing
DDNS Support	dyndns.org, yi.org, no-ip.com and change-ip.com
Authentication	RADIUS, LDAP, AD, Internal database (max 150 users)

Hardware

Interfaces	(8) 10/100 LAN, (1) 10/100 WAN, (1) 10/100 OPT
Memory (RAM)	128 MB
Flash	16 MB
Input Power	100 to 240 VAC, 50-60 Hz, 1 A
Maximum Power Consumption	12.7 Watts
Total Heat Dissipation	43.3 BTU
MTBF	9.6 Years
Certifications (pending)	ICSA Firewall 4.1, ICSA IPsec VPN 1.0d, FIPS 140-2, VPNC AES, Common Criteria EAL-2
Dimensions	10.0 x 7.0 x 1.2 inches 25.4 x 17.8 x 3.0 cm
Weight	2.0 lbs 0.92 kg
Shipping Weight	4.75 lbs 2.1 kg
WEEE Weight	2.75 lbs 1.3 kg
Major Regulatory Compliance	FCC Class B, ICES Class B, CE, C-Tick, VCCI Class B, NOM, UL, cUL, TUV/GS, CB, RoHS, WEEE
Environment	40-105° F, 5-40° C
Humidity	10-90% non-condensing

* For a complete list of supported cards check www.sonicwall.com/products/tz190_details.html

** Actual throughput depends on several factors including proximity to the cellular tower, weather conditions and network congestion. Also, the chart shows download throughputs. Upload throughputs will be lower.

SonicWALL Value-added Security Services

SonicWALL network security appliances integrate seamlessly with an expanding array of value-added security services to provide a comprehensive security solution. Gateway anti-virus, anti-spyware, intrusion prevention, desktop enforced anti-virus and content filtering can be deployed over both the wired and wireless LANs.

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