



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**
- **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 instantly 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, 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, object-based 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 blended threats including viruses, spyware, worms, Trojans, 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 for IPSec VPN tunnels by failing over to an alternate WAN connection in the event the primary fails.

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 not only from the WAN and DMZ, but also between devices inside the LAN.

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

*PC Card sold separately. See www.sonicwall.com/products/tz_190_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	22 classes of DoS, DDoS and Protection 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	MDS, 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	URL, keyword and content scanning, (CF5) ActiveX®, Java Applet, and Cookie blocking2
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

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)
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	Ultimate port flexibility for custom security zones
Rate Limiting	64 Kbps, 128 Kbps, 256 Kbps, 512 Kbps, 1 Mbps, 4 Mbps, 10 Mbps, 20 Mbps
Port Speed Duplex	10 Mbps, 100 Mbps, Auto, Off 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	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



Appliance

SonicWALL TZ 190
01-SSC-6850

Security Services

Comprehensive Gateway Security Suite (1 year)
01-SSC-5844

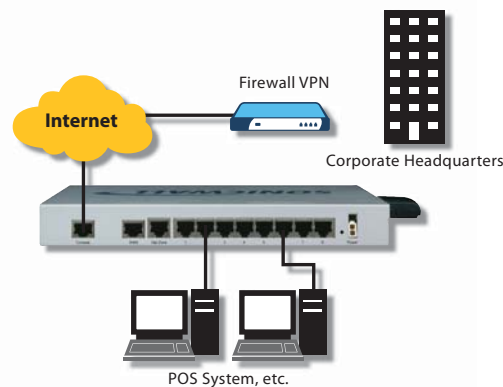
Gateway Anti-Virus, Anti-Spyware and Intrusion Prevention Service (1 year)
01-SSC-5751

Content Filtering Service (1 year)
01-SSC-5505

Content Filtering Service Premium Edition (1 year)
01-SSC-5650

Dynamic Support 8x5 (1 year)
01-SSC-3502

Dynamic Support 24x7 (1 year)
01-SSC-3515



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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