



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 fallback
- 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/fallback 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 fallback** 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

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|----------------------------------|--|
| 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

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|-----------------------|---|
| 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

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| 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

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| 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

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| 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**

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|-------------|---------------------|
| 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 |

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| 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

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| 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

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| 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

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| 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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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