# The SonicWALL PRO 5060

PRO SERIES

## Powerful, Multi-Service Network Security

- **Powerful deep packet inspection firewall**
- **Integrated gateway anti-virus, anti-spyware and intrusion prevention**
- **802.1q VLAN support**
- **Stand-alone, in-line gateway anti-virus, anti-spyware and intrusion prevention**
- **Secure wireless LAN services**
- **Real-time blacklist spam filtering**
- **Onboard Quality of Service (QoS) features**
- **2.4 Gbps stateful packet inspection firewall**
- **Standards-based Voice over IP (VoIP) capabilities**
- **Advanced routing services**
- **Advanced security and networking features such as DMZ, WAN/WAN failover and policy-based routing**
- **Global management and reporting**

The SonicWALL® PRO 5060 is a powerful, multi-service gigabit network security platform that protects users and critical network resources from the dynamic, sophisticated threats that put today's corporate networks at risk.

The PRO 5060 integrates high-speed gateway anti-virus, anti-spyware, intrusion prevention, secure wireless LAN features, deep packet inspection firewall and IPSec VPN into a single, easy to deploy and manage solution. Available in both 10/100/1000 copper and copper/fiber interface versions, the PRO 5060 incorporates a wide array of networking and security features, making it the ideal solution for a multitude of applications.

### Features and Benefits

**Powerful deep packet inspection firewall** protects against malicious application layer attacks originating from either internal or external sources.

**Integrated gateway anti-virus, anti-spyware and intrusion prevention** secures the network against a comprehensive array of dynamic threats including viruses, spyware, worms, Trojans and software vulnerabilities such as buffer overflows, as well as peer-to-peer and instant messenger applications, backdoor exploits and other malicious code.

**802.1q VLAN support** using virtual interfaces with VLAN ID tag assignments provides many of the same features as physical interfaces, including zone assignment, DHCP Server, and NAT and Access Rule controls.

Transparent mode allows operation as a **stand-alone, in-line gateway anti-virus, anti-spyware and intrusion prevention** appliance for legacy firewall deployments.

**Secure wireless LAN services** enable the appliance to function as a secure wireless switch and controller that automatically detects and configures SonicPoints™, SonicWALL wireless access points, as they are added to the network while simultaneously enforcing security policies on all wired and wireless traffic.

**Real-time blacklist spam filtering** provides the ability to use DNS to query Real-time Black List (RBL) services that track well-known spam and open-relay SMTP servers and to deny SMTP connections from servers that appear on the lists.

**Onboard Quality of Service (QoS) features** use industry-standard 802.1p and Differentiated Services Code Points (DSCP) Class of Service (CoS) designators to provide powerful and flexible bandwidth management that is vital for Voice over IP (VoIP), multimedia content and business-critical applications.

**2.4 Gbps stateful packet inspection firewall** provides high-performance L2-4 protection.

**Standards-based Voice over IP (VoIP)** capabilities provide the highest levels of security for every element of the VoIP infrastructure, from communications equipment to VoIP-ready devices such as SIP Proxies, H.323 Gatekeepers and Call Servers.

**Advanced routing services** provide full support for OSPF (Open Shortest Path First) and RIP (Router Information Protocol) dynamic routing protocols to ensure network route availability and integration with existing routing infrastructures.

**Advanced security and networking features** include WAN/WAN failover, distributed wireless, zone and object-based management, load balancing, policy-based routing, advanced NAT modes and more.

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

SONICWALL

*One of the industry's most comprehensive unified threat management solutions*

## Applications

### Central-site Primary Gateway

The PRO 5060 is ideal as a security gateway for critical, centralized networks. Its high-performance and advance networking features allow seamless deployment into virtually any environment.

**Features**

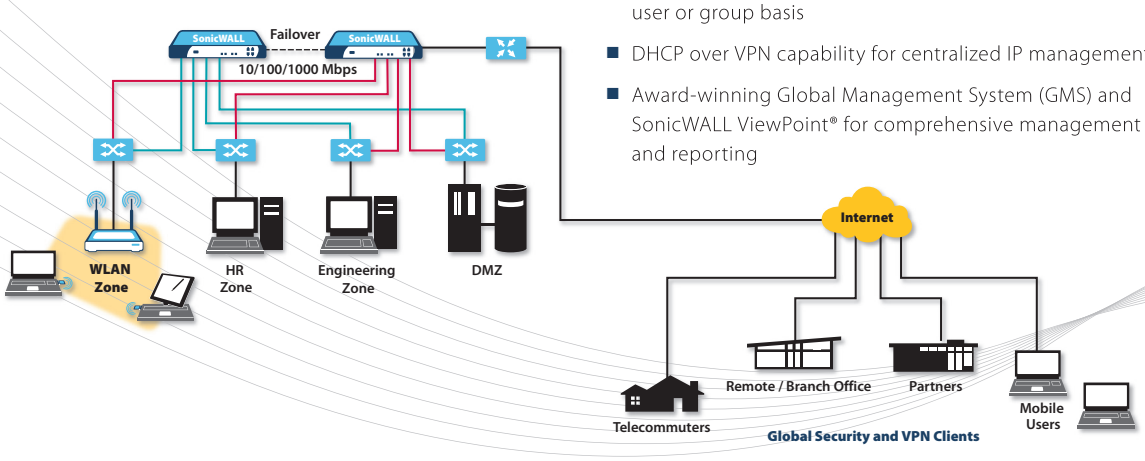
- Suite of advanced security services for comprehensive multi-layer protection
- Zone security for segmenting internal groups
- Object-based management for easy administration
- Enhanced workforce productivity with Content Filtering Service
- DHCP server and DHCP relay ability
- Hardware and WAN/WAN failover with round-robin, percent-based and spill-over load balancing

### Distributed Office and Remote User Security

With its powerful VPN performance and enhanced NAT modes, the PRO 5060 is ideal for securely and easily linking remote/branch offices, partner sites and remote workers.

**Features**

- 700 Mbps hardware-accelerated IPSec VPN
- Advanced NAT modes for flexible site-to-site connectivity and management
- Compatibility with most major security and VPN appliance manufacturers
- Secondary VPN gateway support with "Dead Peer Detection" for automatic VPN failover
- Easy-to-use Global Security Client/Global VPN Clients for remote users
- Third-party CA certificate support
- Flexible application of firewall rules for VPN traffic on a user or group basis
- DHCP over VPN capability for centralized IP management
- Award-winning Global Management System (GMS) and SonicWALL ViewPoint® for comprehensive management and reporting

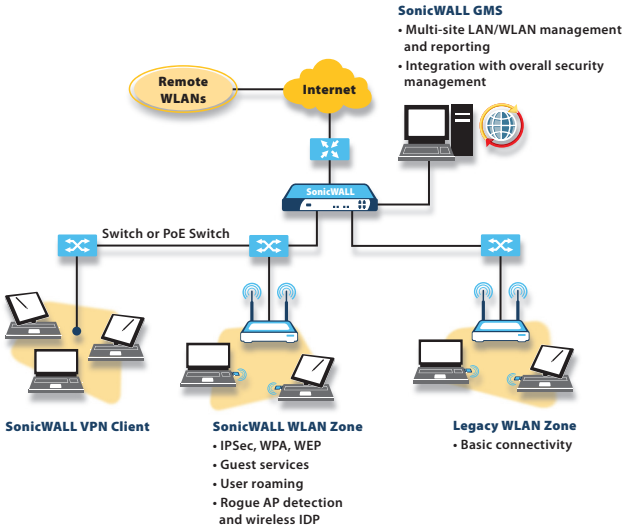



### Secure WLAN Security and Management

The PRO 5060's secure WLAN capabilities rival those of the most sophisticated WLAN switch vendors on the market. With SonicWALL, you can easily integrate advanced WLAN services within the organization's existing network and security architectures. And with over 700 Mbps of IPSec VPN throughput, the PRO 5060 can aggregate a massive number of access points (APs) for large WLAN deployments.

**Features**

- Complete integration of WLAN security into overall network security management and reporting system
- Centrally manage and configure SonicPoints from PRO 5060 security appliances
- SonicPoints are intelligent, 802.11a/b/g dependent APs that allow wireless intrusion detection, secure wireless roaming, wireless guest services and more
- Standards-based WEP, WPA and IPSec encryption options
- Automatic discovery and provisioning enabled by the SonicWALL Discovery Protocol (SDP) and SonicWALL Simple Provisioning Protocol (SSPP)
- Utilizes the easy-to-use SonicWALL Global VPN Client software for secure IPSec wireless communications

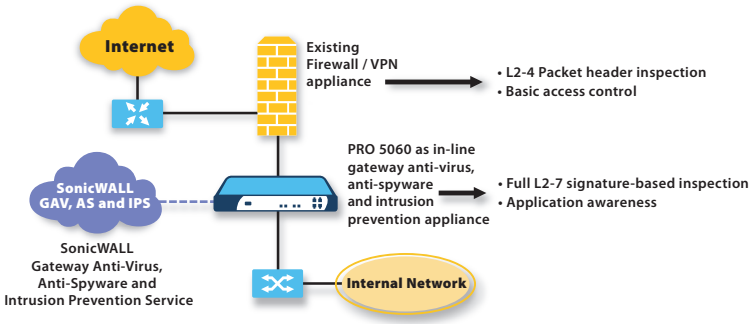


## PRO 5060 In-line Gateway Anti-Virus, Anti-Spyware and Intrusion Prevention Mode for Legacy Firewall Deployments

The SonicWALL PRO 5060 is the industry's most comprehensive security solution, combining a dynamically updated database of thousands of attack and vulnerability signatures with a lightning-fast deep packet inspection engine that guarantees high levels of performance under heavy load conditions. The PRO 5060 is ideal as an integrated security appliance, or as a stand-alone threat prevention appliance for legacy firewall deployments.

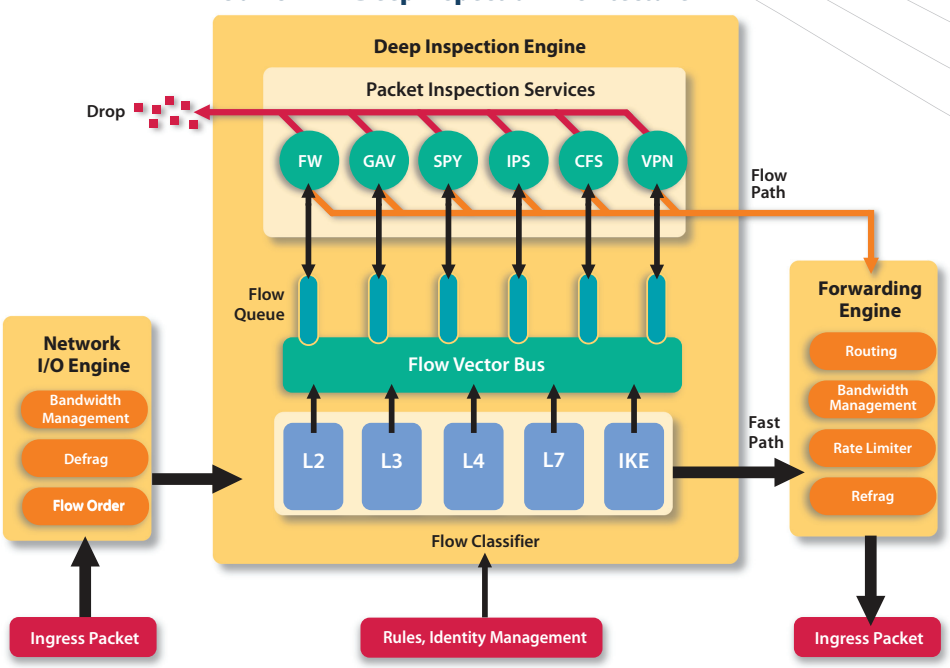
### Features

- Thousands of attack and vulnerability signature database is constantly updated to protect against the latest threats
- Maximum protection from viruses, spyware, Trojans, worms, DoS/DDoS attacks and blended threats–even sophisticated polymorphic attacks
- Protection against threats carried by and management of instant messaging and peer-to-peer applications
- Inter-zone intrusion prevention protects against internal attacks targeting network segments
- Transparent-mode capability allows seamless integration into most existing network topologies




*The nature of network security threats has evolved. While basic L2-4 firewall functionality is still a mandatory element of network security, new breeds of dynamic attacks are wreaking more havoc than ever before. Not only can these attacks render a traditional firewall useless, they also require a constantly updated attack database that guarantees protection. And they absolutely must have a hardware platform that can withstand the rigors of real-time gateway anti-virus, anti-spyware and intrusion prevention while maintaining high levels of performance.*

### SonicWALL Deep Inspection Architecture




The SonicWALL **Deep Inspection Architecture** is a highly scalable approach to layered network security. Combining parallel stream processing with our custom-developed flow classification and flow vector bus technology, SonicWALL appliances deliver exceptional levels of performance under the most demanding of security requirements.

# Specifications

## SonicWALL PRO 5060

### Firewall

| | |
|---|---|
| Nodes Supported | Unrestricted |
| Stateful Throughput* | 2.4 Gbps |
| Deep Packet Inspection | Protection from viruses, spyware, worms, Trojans and application layer attacks. Requires Gateway Anti-Virus, Anti-Spyware and Intrusion Prevention Service for signature updates |
| Gateway Anti-Virus Throughput** | 340 Mbps |
| Intrusion Prevention Throughput** | 280 Mbps |
| Connections | 750,000 |
| Policies | 15,000 |
| Denial of Service Attack Prevention | 22 classes of DoS, DDoS and scanning attacks |

### VPN

| | |
|---|---|
| 3DES/AES Throughput*** | 700 Mbps (MD5, 168-bit) |
| Site-to-Site VPN | 4,000 tunnels max |
| Remote Access VPN | 6,000 tunnels max (2,000 clients bundled) |
| Encryption | DES, 3DES, AES (128, 192, 256-bit) |
| Authentication | MD5, SHA-1 |
| Key Exchange | Manual Key, PKI (X.509), IKE |
| XAUTH/RADIUS | Yes |
| L2TP/IPSec | Yes |
| Flexible VPN Termination | Any port for site-to-site and remote access tunnels |
| Certificate Support | Verisign®, Thawte, Baltimore, 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 |
| Single-arm VPN | Yes (SonicOS Standard) |

### Deep Inspection Security Services

| | |
|---|---|
| Gateway Anti-Virus, Anti-Spyware and Intrusion Prevention Service | Dynamic signature database prevents intrusions, worms and application exploits. Peer-to-peer and instant messaging control and signature updates through Distributed Enforcement Architecture[1] |
| Content Filtering Service (CFS) Premium Edition | URL, keyword and content scanning ActiveX®, Java Applet, and Cookie blocking[2] |
| Gateway-enforced Network Anti-Virus | HTTP/S, SMTP, POP3, IMAP and FTP, Enforced McAfee™ Clients[3] E-mail attachment blocking |

** Testing Methodologies: Maximum performance based on RFC 2544 (for firewall) Actual performance may vary depending on network conditions and activated services*

*** Throughput measured using HTTP throughput test*

**** VPN throughput measured using UDP traffic at 1280 byte packet size adhering to RFC 2544*

### Networking

| | |
|---|---|
| DHCP | Relay, internal server (4,096 leases) |
| NAT Modes | 1:1, 1:many, many:1, flexible NAT (overlapping IPs), PAT, transparent mode |
| Authentication | RADIUS, internal user database, LDAP, Active Directory |
| VoIP | Full H.323v1-5, SIP, gatekeeper support, inbound/outbound bandwidth management, call tracking and monitoring, full interoperability with most VoIP gateway and communications devices |

### System

| | |
|---|---|
| Zone Security | Yes |
| Object-based Management | Yes |
| Management | Local CLI, Web GUI, SNMP v2; WebTrends Global management with SonicWALL GMS |
| Reporting | Comprehensive reporting and graphing, automated scheduling, bandwidth monitoring with SonicWALL ViewPoint™ reporting suite |
| WAN/WAN Failover | Yes, with percent-based, round-robin and spill-over load balancing |
| Hardware Failover | Active/Passive |
| Standards | TCP/IP, UDP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SNMP, DHCP, PPPoE, L2TP, PPTP, RADIUS |

### Hardware

| | |
|---|---|
| Interfaces | 5060c: (6) 10/100/1000 auto-sensing copper Ethernet, (1) Serial Port<br>5060f: (4) 10/100/1000 auto-sensing copper Ethernet, (2) SX/SC multimode fiber, (1) Serial Port |
| Fans | Redundant high-capacity fans |
| Power Suppy | 350 W |
| Power Input | 100 to 240 VAC, 60-50 Hz, 6 A |
| Max Power Consumption | 120 W |
| Total Heat Dissipation | 409 BTU |
| Processors | Intel® Xeon™ main processor, Cavium Nitrox cryptographic processor |
| Certifications | ICSA Firewall 4.1, ICSA IPSec VPN 1.0d |
| Dimensions | 17.00(L) x 16.25(W) x 1.75(H) in<br>43.18(L) x 41.23(W) x 4.45(H) cm |
| Weight | 15.55 lbs<br>7.05 kg |
| Major Regulatory Compliance | FCC Class A, ICES Class A, CE, C-Tick, VCCI Class A, BSMI Class A, MIC, NOM, UL, cUL, TUV/GS, CB |
| Environment | 40-105° F, 5-40° C |
| Humidity | 10-90% non-condensing |
| MTBF | 6.8 years |

*1) 30-day service included 2) 30-day service included 3) 30-day 10-user service included*

**SonicWALL PRO 5060**

SonicWALL PRO 5060c (US/Canada)
01-SSC-5381

SonicWALL PRO 5060f (US/Canada)
01-SSC-5382

SonicWALL Gateway Anti-Virus, Anti-Spyware and Intrusion Prevention Service for PRO 5060
01-SSC-5760

SonicWALL Content Filtering Premium Business Edition for PRO 5060
01-SSC-5654

SonicWALL Content Filtering Premium Gov/Ed Edition for PRO 5060
01-SSC-5664

SonicWALL SonicPoint (US/Canada)
01-SSC-5522

SonicWALL SonicPoint G (US/Canada)
01-SSC-5536

SonicWALL 8x5 Support for PRO 5060
01-SSC-5620

SonicWALL 24x7 Support for PRO 5060
01-SSC-5621

NOTE:
PRO 5060 ships with 1 year of free Gateway Anti-Virus, Anti-Spyware and Intrusion Prevention Service.

**SonicWALL PRO 5060c**

6 10/100/1000 auto-sensing copper Ethernet interfaces

**SonicWALL PRO 5060f**

2 SX/SC multimode fiber interfaces

4 10/100/1000 auto-sensing copper Ethernet interfaces

**SonicWALL PRO 5060 — back**

Redundant, high-capacity fans

## SonicWALL Value-added Security Services

SonicWALL Internet 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 and content filtering can be deployed over both the wired and wireless LANs.

For more information on SonicWALL security services, including gateway anti-virus, anti-spyware, intrusion prevention and content filtering, please visit our Web site at **http://www.sonicwall.com/products/vpnsoft.html**.

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