DATASHEET

Gen 8: Architecture and Security.

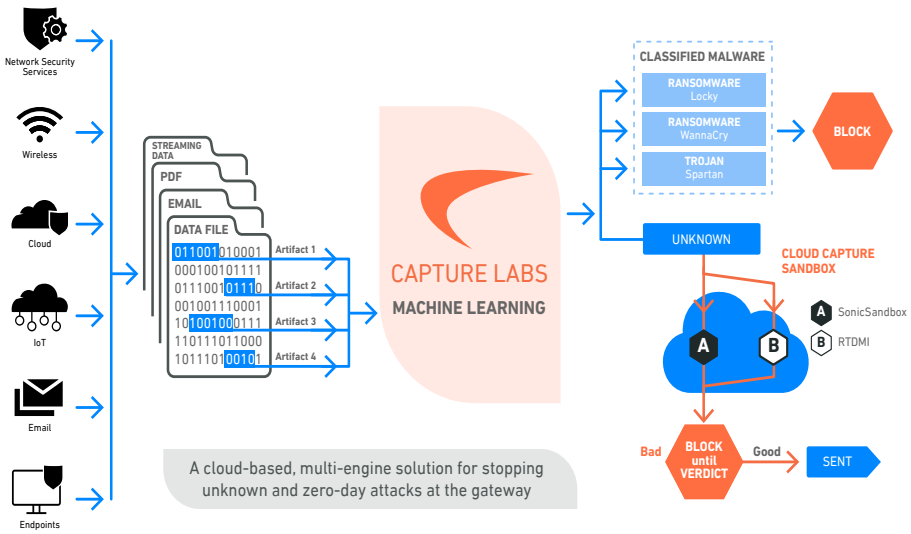
Advanced threat protection for today's evolving landscape.

SonicWall Gen 8 addresses network security challenges for organizations of all sizes, including SOHO, SMBs, Distributed Enterprises, and Service Providers. The core of Gen8 Firewall Series is the SonicOS[1] architecture.

SonicOS 8 drives performance enhancements and consistency and reliability in network security. It leverages our patented, single-pass, low-latency, Reassembly-Free Deep Packet Inspection® (RFDPI) and patented Real-Time Deep Memory Inspection™ (RTDMI) technologies to deliver industry-validated high security effectiveness, SD-WAN, real-time visualization, high-speed virtual private networking (VPN) and other robust security features.

Our vision for securing networks in today's continually-evolving cyber threat landscape is automated, real-time threat detection and prevention. Through a combination of cloud-based and on-box technologies we deliver protection to our firewalls that's been validated by independent third-party testing for its extremely high security effectiveness. Unknown threats are sent to SonicWall's cloud-based Capture Advanced Threat Protection (ATP) multiengine sandbox for analysis. Enhancing Capture ATP is our RTDMI™ technology. The RTDMI engine detects and blocks malware and zero-day threats by inspecting directly in memory. RTDMI technology is precise, minimizes false positives, and identifies and mitigates sophisticated attacks where the malware's weaponry is exposed for less than 100 nanoseconds.

[1]SonicOS in this document refers to both SonicOS and SonicOSX. SonicOSX is typically associated with SonicWall NSv Firewall Virtual Series.



A cloud-based, multi-engine solution for stopping unknown and zero-day attacks at the gateway

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In combination, our RFDPI engine examines every byte of every packet, inspecting both inbound and outbound traffic directly on the firewall. By leveraging Capture ATP with RTDMI technology in the SonicWall Capture Cloud Platform in addition to on-box capabilities including intrusion prevention, anti-malware and web/URL filtering, our next-generation firewalls stop malware, ransomware and other threats at the gateway.

SonicOS 8 features advanced security, simplified policy management, and critical networking and management capabilities for advanced enterprises with next-gen SD-Branches and small to medium-sized businesses (SMBs). The OS also enables Indicator of Compromise, Wi-Fi 6 support, DNS advanced security, reputation-based content filtering, and Network Access Control (NAC integration).

Gen 8 firewalls enable Zero Trust Network Access (ZTNA) capabilities. This approach ensures that user and device trust are repeatedly verified before granting access to specific applications, regardless of location and endpoint type.

The management plane for Gen 8 firewalls includes SonicWall Unified Management. SonicWall Unified Management brings a unified console experience to managing SonicWall's cybersecurity solutions. Purpose-built for MSPs and MSSPs, SonicWall Unified Management streamlines the security stack into a single pane of glass to make essential security operations easy and efficient. Firewall management is included with Gen 8 firewalls that have support or active security bundles.

The recent release of SonicOS 8 delivers several key features to enhance security, operational efficiency and scalability

- Credential Auditor, a built-in feature that checks for compromised passwords and enables administrators take action. Credential Auditor helps reduce risks of security breach from compromised credentials
- Indicator of Compromise, a built-in feature that checks for compromised IP addresses and helps reduce risks of security breaches.
- 1 click diagnostics download to drive faster support resolution
- HTTPs enablement for signature download via proxy for secure transmission of update files
- Increased number of firewall connections to Cloud Secure Edge
- Encrypted transmisson of syslogs over TLS prevents risks of interception and tampering
- SD-WAN intelligent routing across internet links
- IPv6-ready security enables secure and seamless interoperability between IPv4 and IPv6 Plus traffic
- Active-Active DPI High Availability (HA)[3] boosts performance performance while ensuring protection remains always-on.

Security Suites and Licensing Options

SonicWall NGFWs enable businesses to meet their business needs with simplified licensing. With the latest release, Gen 8 has options for hardware-only[1], secure connectivity, and security suites with and without managed firewall services[2]. This flexible licensing delivers enhanced security and operational efficiency on our SMB and Enterprise platforms without the complexity of managing multiple licenses. In addition, with SonicWall's security suites, businesses will mitigate risks of financial loss from security breaches with an embedded cyber warranty of up to $200K.

Secure Connect Lite (for TZ80 Only) is a low-cost, entry-level secure connectivity offering designed for small deployments. It provides encrypted access to headquarters networks for private applications and direct internet access, delivering business-hours support via web, chat, and email.

Secure Connect (for TZ80 & NSv XS Only) bridges the gap between entry-level connectivity and full security suite protection, and ideal for organizations whose primary need is flexible, secure remote access.

SonicWall Advanced Protection Security Suite (APSS) offers advanced security services, reporting and analytics to protect your networks and drive visibility and operational efficiencies. This licensing option fits the needs of organizations that do not require managed firewall services.

SonicWall Managed Protection Security Suite (MPSS) includes managed firewall services on top of all the services offered in APSS. Our team will monitor your firewall and notify you of downtime or local changes, and will manage all firmware updates for you on your schedule.

[1] Hardware-only is not available for TZ80 which requires subscription-based licensing.

[2] TZ80 for SOHO and IoT has Secure Connect Lite, Secure Connect, Advanced Protection and Managed Protection Security Suites. Please refer to TZ80 Datasheet for more information.
NSv XS has Secure Connect, Advanced Protection and Managed Protection Security Suites. Please refer to NSv XS Datasheet for more information

[3] Only available for NSa 4800, NSa 5800 and NSa 6800

Visit Security Suites for more information.

Learn More

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Enhanced Dashboard

Feature	Description
DNS security	Uses the Domain Name System to block malicious websites or applications and to filter out harmful or inappropriate content.
Network Access Control (NAC) integration	Provides network access control for SonicWall customers by integrating with Aruba ClearPass. This architecture will turn static security into contextual security to provide more flexible and advanced security protection.
Wi-Fi 6 support	Integrate and manage Wi-Fi 6 SonicWave access points.
Secondary storage enhancements	Support packet capture, TSR, and threat correlation data in storage. Save the following logs to storage: threat logs, audit logs, app flow, pcap.
Token-based registrations	A string that will replace MySonicWall username and password in the bootstrap file used for the NS*v* bootstrapping process to automate mass deployments with basic configuration and licensing info.
NS*v* bootstrapping	Simplify mass NS*v* deployments; support on VMware, Hyper-V, AWS, and Azure; simplify product registrations using token-based licensing; INIT file includes basic configuration to get the instance ready with minimal configuration.
Enhanced Dashboard	Dashboard with actionable alerts.
Enhanced Device View	Display of Front-View, Back-View and Storage Statistics of the hardware is available from the UI Home Tab.
Real-time System usage and bandwidth usage	User can now view real-time system usage of Core and Bandwidth in the network.
Summarized traffic distribution	Traffic distribution usage on user's firewall with real-time update of most used application.
Summary of top users	Summary of top users based on allowed or blocked sessions; by data sent and received.
Summary of Observed threats	Real-time threat summary of threats seen within customer's network like virus, zero-day malware, spyware, vulnerabilities and risky applications.
Services Summary	Real-time status of enabled or disabled security services like IPS, GAV, Anti-Spyware, Capture ATP or DPI-SSL.
Insights on infected hosts	Displaying the total number of infected host machines in the network in real-time.
Insights on critical attacks	Displaying the total number of mission-critical attacks in the network in real-time.
Insights on encrypted traffic	Displaying the total number of encrypted traffic in the network in real-time.
Summary of top applications	Displaying the top applications used in the network with additional options of sorting by sessions, bytes, access-rule blocks, virus,spyware and intrusions.
Summary of top addresses	Displaying the top address objects used in the network with additional options of sorting by sessions, bytes, access-rule blocks, virus, spyware and intrusions.
Summary of top users	Displaying the top users used in the network with additional options of sorting by sessions, bytes, access-rule blocks, virus, spyware and intrusions.
Summary of top website ratings	Displays the top website ratings by session.
Summary of top country statistics	Displaying the top country statistics by session, dropped traffic, bytes sent or received.
Summary of real-time threat	Displaying top threats with separate statistics for Virus, Intrusions, Spyware and Botnet by sessions.
Enhanced Access Point Snapshot	Displaying statistics on Access Point status in the network and Client associations real-time statistics
Access Point Traffic Rate	Provides real-time bandwidth usage by access-points.
WiFi Client Report	Provides real-time Wi-Fi client report based on OS type, frequency and top client chart
Real-Time WiFi Client Monitor	Determines the host machine, OS type, frequency, Access-Point info and data transfer.
Insights to Capture ATP verdicts	Displays verdicts given for File analysis by Capture ATP.
Insights to FileTypes	Displays the type of files based on Capture-ATP report.
Insights to Destination Address	Displays the top destinations being used by malicious files.
Malware Analysis statistics	Displays in-depth statistics on dynamic vs static malware analysis per file.
Location based zero-day Attack Origin Analysis	Displays attack origin by countries.
Capture ATP statistics	Displays insights to total files submitted, dynamically analyzed files, malicious files and average processing time using Capture ATP.
Network Topology View	Topology View displaying hosts, access-points connected in user's network based on device name, mac-address and IP Address
API Driven Management	Management of the firewall is API-driven
SDWAN Wizard	Wizard to automatically configure SDWAN Policy on the firewall
Notification Center	New notification center with summary of threats, event logs and system alert.
Improved Online Help	Online help with links to technical documentation on each and every model.
SDWAN Monitoring	Displays SD-WAN Performance probes and top connections.
Enhanced Packet Monitor Utility	Packet Monitor enhanced to include access rule, NAT Rule and route information.
Storage Device Configuration	Configuration support of storage modules including extended modules. Module usage statistics.

Capture Threat Assessment	Report supports new report template with customization options like logo, name and sections. Support for file analysis and malware analysis. Company statistics with industry and Global Average for each section. Separate Executive template with recommendations.
1-Click System log downloads	System logs including console logs that can be downloaded from diagnostics section with 1-click and without user requiring to connect machine to console port to capture console logs. This simplifies debug troubleshooting and drives faster support resolution
SSH Terminal on UI	SSH terminal can be accessed from Web UI.
Grid Check Utility	This utility enables checking IP address of the Grid IP for diagnostics.
Debug Utility	User can enable debug mode within the same firmware and execute debug commands from SSH terminal within the UI.
System Diag Utility Tools	Support for more diagnostic tools like GDB, HTOP and Linux Perf Tool.
Switch Network Overview	SonicWall Switch view like physical view, list view and VLAN view.
Bandwidth Usage per SwitchPort	SonicWall Switch Info displays bandwidth usage per port.
WWAN Status	WWAN Modem and Network status display.

Firewall Features and Services

Reassembly-Free Deep Packet Inspection (RFDPI) Engine

Feature	Description
Reassembly-Free Deep Packet Inspection (RFDPI)	This high-performance, proprietary and patented inspection engine performs stream-based, bi-directional traffic analysis, without proxying or buffering, to uncover intrusion attempts and malware and to identify application traffic regardless of port.
Bi-directional inspection	Scans for threats in both inbound and outbound traffic simultaneously to ensure that the network is not used to distribute malware and does not become a launch platform for attacks in case an infected machine is brought inside.
Stream-based inspection	Proxy-less and non-buffering inspection technology provides ultra-low latency performance for DPI of millions of simultaneous network streams without introducing file and stream size limitations, and can be applied on common protocols as well as raw TCP streams.
Highly parallel and scalable	The unique design of the RFDPI engine works with the multi-core architecture to provide high DPI throughput and extremely high new session establishment rates to deal with traffic spikes in demanding networks.
Single-pass inspection	A single-pass DPI architecture simultaneously scans for malware, intrusions and application identification, drastically reducing DPI latency and ensuring that all threat information is correlated in a single architecture.
Credential Auditor	Checks passwords against lists of weak or compromised credentials, flags matches, and enables administrators to take immediate action, such as issuing warnings or requiring password changes.

Firewall and Networking

Feature	Description
Secure SD-WAN Enhancements	An alternative to more expensive technologies such as MPLS, Secure SD-WAN reduces WAN costs and enhances application experience with intelligent routing (cost-based, protocol-based and application-aware), and support for any SD-WAN zones and schedule-driven policies.
IPv6 Support	Enables service providers to offer secure and seamless interoperability between IPv4 and IPv6 Plus traffic that are cost-effective.
Stateful packet inspection	All network traffic is inspected, analyzed and brought into compliance with firewall access policies.
High Availability (HA)	Supports Active/Passive (A/P) with state synchronization and Active/Active (A/A) DPI for select models[4] increase performance and ensures controls stay active during hardware failure.
DDoS/DoS attack protection	SYN flood protection provides a defense against DOS attacks using both Layer 3 SYN proxy and Layer 2 SYN blacklisting technologies. Additionally, it protects against DOS/DDoS through UDP/ICMP flood protection and connection rate limiting.
Flexible deployment options	The firewall can be deployed in wire, network tap NAT or Layer 2 bridge2 modes.
WAN load balancing	Load-balances multiple WAN interfaces using Round Robin, Spillover or Percentage methods. Policy-based routing creates routes based on protocol to direct traffic to a preferred WAN connection with the ability to fail back to a secondary WAN in the event of an outage.
Advanced quality of service (QoS)	Guarantees critical communications with 802.1p, DSCP tagging and remapping of VoIP traffic on the network.
H.323 gatekeeper and SIP proxy support	Blocks spam calls by requiring that all incoming calls are authorized and authenticated by H.323 gatekeeper or SIP proxy.
Signature download via proxy	Signature download via proxy now uses HTTPs (via port 443) for secure transmission of updates files in proxy environments.
Encrypted Syslog over TLS	TLS-enabled syslog provides secure, scalable, compliant log forwarding and seamless integration with modern XDR and analytics platforms

SonicWall Switch Integration	SonicWall's switches provides seamless integration with firewalls for a single-pane-of-glass management and visibility of your network.
WPA2/WPA3 EAP authentication[1]	Authentication types in Radio Role Station Mode has been expanded to Open, WPA2-Auto-PSK, WPA3-PSK, and EAP.
NTP Server capability[1]	Act as an NTP server to enable synchronization of time across devices.
Biometric authentication	Supports mobile device authentication such as fingerprint recognition that cannot be easily duplicated or shared to securely authenticate the user identity for network access.
Open authentication and social login	Enable guest users to use their credential from social networking service such as Facebook, Twitter, or Google+ to sign in and access the Internet and other guest services through a host's wireless, LAN or DMZ zones using pass-through authentication.
Multi-domain authentication	Provides a simple and fast way to administer security polices across all network domains. Manage individual policy to a single domain or group of domains.
REST API	Allows the firewall to receive and leverage any and all proprietary, original equipment manufacturer and third-party intelligence feeds to combat advanced threats such as zero-day, malicious insider, compromised credentials, ransomware and advanced persistent threats.
Full API Support	Complete API support for each and every section of firewall UI.
SDWAN scalability	Scalable tunnel interfaces for distributed enterprises.

Management, Reporting and Support

Feature	Description
Cloud-based and on-premises management	Configuration and management of SonicWall appliances is available via the cloud through the SonicWall Network Security Manager (NSM) on-premises or Cloud which is accessible via SonicWall Unified Management.
Powerful single device management	An intuitive web-based interface allows quick and convenient configuration, in addition to a comprehensive command-line interface and support for SNMPv2/3.
IPFIX/NetFlow application flow reporting	Exports application traffic analytics and usage data through IPFIX or NetFlow protocols for real-time and historical monitoring and reporting with tools such as SonicWall Analytics or other tools that support IPFIX and NetFlow with extensions.
Compliance-centered malware detection	Analyze suspicious files in your own environment without sending files or results to a third-party cloud.

Virtual Private Networking (VPN)

Feature	Description
Auto-provision VPN	Simplifies and reduces complex distributed firewall deployment down to a trivial effort by automating the initial site-to-site VPN gateway provisioning between SonicWall firewalls while security and connectivity occurs instantly and automatically.
IPSec VPN for site-to-site connectivity	High-performance IPSec VPN allows the firewall to act as a VPN concentrator for thousands of other large sites, branch offices or home offices.
SSL VPN or IPSec client remote access	Utilizes clientless SSL VPN technology or an easy-to-manage IPSec client for easy access to email, files, computers, intranet sites and applications from a variety of platforms.
Redundant VPN gateway	When using multiple WANs, a primary and secondary VPN can be configured to allow seamless, automatic failover and failback of all VPN sessions.
Route-based VPN	The ability to perform dynamic routing over VPN links ensures continuous uptime in the event of a temporary VPN tunnel failure, by seamlessly re-routing traffic between endpoints through alternate routes.

Zero Trust Network Access (ZTNA)

Feature	Description
Secure Private Access (SPA) Connector	Leverage existing SonicWall firewalls and the integration with Cloud Secure Edge to enable zero-trust network access to private apps hosted behind firewalls.
Expanded Secure Private Access (SPA) connections	Enable more than 100 firewall connections to Cloud Secure Edge with support for publishing routes outside the RFC 1918 range to drive scalability and increase throughput and performance.

Content/context Awareness

Feature	Description
User activity tracking	User identification and activity are made available through seamless AD/LDAP/Citrix/Terminal Services SSO integration combined with extensive information obtained through DPI.
GeoIP country traffic identification	Identifies and controls network traffic going to or coming from specific countries to either protect against attacks from known or suspected origins of threat activity, or to investigate suspicious traffic originating from the network. Ability to create custom country and Botnet lists to override an incorrect country or Botnet tag associated with an IP address. Eliminates unwanted filtering of IP addresses due to misclassification.
Regular expression matching and filtering	Prevents data leakage by identifying and controlling content crossing the network through regular expression matching.

Breach Prevention Subscription Services

Capture Advanced Threat Protection[1]

Feature	Description
Multi-engine sandboxing	The multi-engine sandbox platform, which includes virtualized sandboxing, full system emulation and hypervisor level analysis technology, executes suspicious code and analyzes behavior, providing comprehensive visibility to malicious activity.
Real-Time Deep Memory Inspection (RTDMI™)	SonicWall RTDMI is a patent-pending technology and process utilized by the SonicWall Capture Cloud to identify and mitigate even the most insidious modern threats, including future Meltdown exploits. It even detects and blocks malware that does not exhibit any malicious behavior and hides its weaponry via encryption.
Block until verdict	To prevent potentially malicious files from entering the network, files sent to the cloud for analysis can be held at the gateway until a verdict is determined.
Broad file type analysis	Supports analysis of a broad range of file types, including executable programs (PE), DLL, PDFs, MS Office documents, archives, JAR and APK plus multiple operating systems including Windows, Android, Mac OS and multi-browser environments.
Rapid deployment of signatures	When a file is identified as malicious, a signature is immediately deployed to firewalls with SonicWall Capture subscriptions and Gateway Anti-Virus and IPS signature databases and the URL, IP and domain reputation databases.

Endpoint Security

Feature	Description
Endpoint Protection	Capture Client applies behavior-based advanced threat protection, powered by Next Gen EDR SentinelOne. Capture ATP Integration for higher security effectiveness, faster response times and a lower total cost of ownership.
DPI-SSL Enforcement	Deploy DPI SSL Certificates and enable enforcement of deep packet inspection of encrypted traffic (DPI-SSL) on endpoints.
Endpoint Enforcement	Direct unprotected users to Capture Client Download page before accessing the internet when behind a firewall.
SSO Login	Enables the use of user information from endpoints for SSO policies.
SAML Single Sign-On[1]	Simplifies authentication by allowing access to multiple apps using one set of credentials.[1]

Encrypted Threat Prevention

Feature	Description
TLS/SSL decryption and inspection	Decrypts and inspects TLS/SSL encrypted traffic on the fly, without proxying, for malware, intrusions and data leakage, and applies application, URL and content control policies in order to protect against threats hidden inside of encrypted traffic. Included with security subscriptions for all models except SOHO.
SSH inspection	Deep packet inspection of SSH (DPI-SSH) decrypts and inspects data traversing over SSH tunnels to prevent attacks that leverage SSH.
TLS 1.3 Support	Support for TLS 1.3 to improve overall security on the firewall. This is implemented in Firewall Management, SSL VPN and DPI.

Intrusion Prevention[3]

Feature	Description
Countermeasure-based protection	Tightly integrated intrusion prevention system (IPS) leverages signatures and other countermeasures to scan packet payloads for vulnerabilities and exploits, covering a broad spectrum of attacks and vulnerabilities.
Automatic signature updates	The SonicWall Threat Research Team continuously researches and deploys updates to an extensive list of IPS countermeasures that covers more than 50 attack categories. The new updates take immediate effect without any reboot or service interruption required.
Intra-zone IPS protection	Bolsters internal security by segmenting the network into multiple security zones with intrusion prevention, preventing threats from propagating across the zone boundaries.
Botnet command and control (CnC) detection and blocking	Identifies and blocks command and control traffic originating from bots on the local network to IPs and domains that are identified as propagating malware or are known CnC points.
Protocol abuse/anomaly	Identifies and blocks attacks that abuse protocols as they attempt to sneak past the IPS.
Zero-day protection	Protects the network against zero-day attacks with constant updates against the latest exploit methods and techniques that cover thousands of individual exploits.
Anti-evasion technology	Extensive stream normalization, decoding and other techniques ensure that threats do not enter the network undetected by utilizing evasion techniques in Layers 2-7.
Extensive list of IPS Signatures	Over 10,000 IPS Signatures associated with protection against exploits targeting software vulnerabilities.[2]

Threat Prevention[3]	
Feature	**Description**
Indicator of Compromise	Security feature that uses threat intelligence to identify and block known malicious IP addresses, helping prevent communication with compromised or attacker-controlled systems.
Gateway anti-malware	The RFDPI engine scans all inbound, outbound and intra-zone traffic for viruses, Trojans, key loggers and other malware in files of unlimited length and size across all ports and TCP streams.
Capture Cloud malware protection	A continuously updated database of tens of millions of threat signatures resides in the SonicWall cloud servers and is referenced to augment the capabilities of the onboard signature database, providing RFDPI with extensive coverage of threats.
Around-the-clock security updates	New threat updates are automatically pushed to firewalls in the field with active security services, and take effect immediately without reboots or interruptions.
Bi-directional raw TCP inspection	The RFDPI engine scans raw TCP streams on any port and bi-directionally to detect and prevent both inbound and outbound threats.
Extensive protocol support	Identifies common protocols such as HTTP/S, FTP, SMTP, SMBv1/v2 and others, which do not send data in raw TCP. Decodes payloads for malware inspection, even if they do not run on standard, well-known ports.
Application Intelligence and Control[3]	
Feature	**Description**
Application control	Controls applications, or individual application features that are identified by the RFDPI engine against a continuously expanding database of over thousands of application signatures. This increases network security and enhances network productivity.
Custom application identification	Controls custom applications by creating signatures based on specific parameters or patterns unique to an application in its network communications. This helps gain further control over the network.
Application bandwidth management	Application bandwidth management granularly allocates and regulates available bandwidth for critical applications (or application categories), while inhibiting nonessential application traffic.
Granular control	Controls applications (or specific components of an application) based on schedules, user groups, exclusion lists and a range of actions with full SSO user identification through LDAP/AD/Terminal Services/ Citrix integration.
Content Filtering[3]	
Feature	**Description**
Reputation-based content filtering	Restrict and control the web content an Internet user is able to access. Reputation-based content filtering provides a reputation score that forecasts the security risk of a URL.
Inside/outside content filtering	Enforce acceptable use policies and block access to HTTP/HTTPS websites containing information or images that are objectionable or unproductive with Content Filtering Service and Content Filtering Client.
Enforced content filtering client	Extends policy enforcement to block internet content for Windows, Mac OS, Android and Chrome devices located outside the firewall perimeter.
Granular controls	Blocks content using any combination of categories. Filtering can be scheduled by time of day, such as during school or business hours, and applied to individual users or groups.
Web caching	URL ratings are cached locally on the SonicWall firewall so that the response time for subsequent access to frequently visited sites is only a fraction of a second.
Local CFS Responder	Local CFS Responder can be deployed as a virtual appliance in private clouds based on VMWare or Microsoft Hyper-V. This provides deployment flexibility option (Light weight VM) of CFS ratings database in various customer network use cases that require a dedicated on premise solution that speeds up CFS ratings request and response times, supports large number of allowed/blocked URL list (+100K), and adds up to 1000 SonicWall firewalls for CFS rating lookups.
Enforced Anti-virus and Anti-spyware[3]	
Feature	**Description**
Multi-layered protection	Utilizes the firewall capabilities as the first layer of defense at the perimeter, coupled with endpoint protection to block viruses entering the network through laptops, thumb drives and other unprotected systems.
Automated enforcement option	Ensure every computer accessing the network has the appropriate antivirus software and/or DPI-SSL certificate installed and active, eliminating the costs commonly associated with desktop antivirus management.
Automated deployment and installation option	Machine-by-machine deployment and installation of anti-virus and anti-spyware clients is automatic across the network, minimizing administrative overhead.
Spyware protection	Powerful spyware protection scans and blocks the installation of a comprehensive array of spyware programs on desktops and laptops before they transmit confidential data, providing greater desktop security and performance.
Advanced Security	
Feature	**Description**
Cloud management	Manage firewalls via cloud through Firewall Management tile of SonicWall Unified Management
Network visibility	It provides granular network visibility of network topology along with host info

See footnotes on next page.

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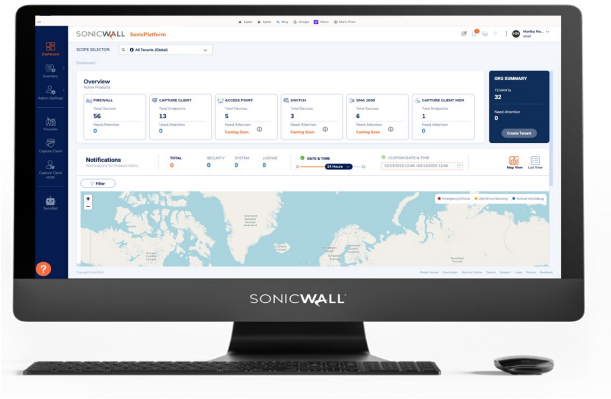
[1] Feature is available on SonicOS 8.1 and above. EAP is available for TZ Wireless firewalls on SonicOS 8.1 and above.

[2] Some signatures associated with protection against exploits targeting software vulnerabilities are located under GAV and Anti-Spyware services.

[3] Requires added subscription.
[4]Active/Active DPUI is available for NSa 4800, NSa 5800 and NSa 6800



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