

The NSA Series Competitive Advantage

- Based on the latest multi-core architecture and SonicWALL’s reassemble free Deep Packet Inspection technology the NSA appliances provide best-in-class UTM performance.
- The SonicWALL NSA Series offers the most comprehensive gateway protection from viruses, worms, spyware and application level threats.
- Application Firewall provides the customizable controls and application level inspection allowing application level policy control to restrict transfers of specific files and documents, scan e-mail attachments with user configurable criteria, automate bandwidth, control inspect internal and external Web access and support custom signatures.
- For multi-appliance deployments SonicWALL’s award-winning Global Management System provides the ideal solution for central management, monitoring and reporting.

SonicWALL NSA Series Reviews and Awards

SC Magazine "NSA E6500 Receives 5 Star Award"

<http://www.scmagazineus.com/SonicWALLs-E-Class-NSA-E6500/Review/2353/>

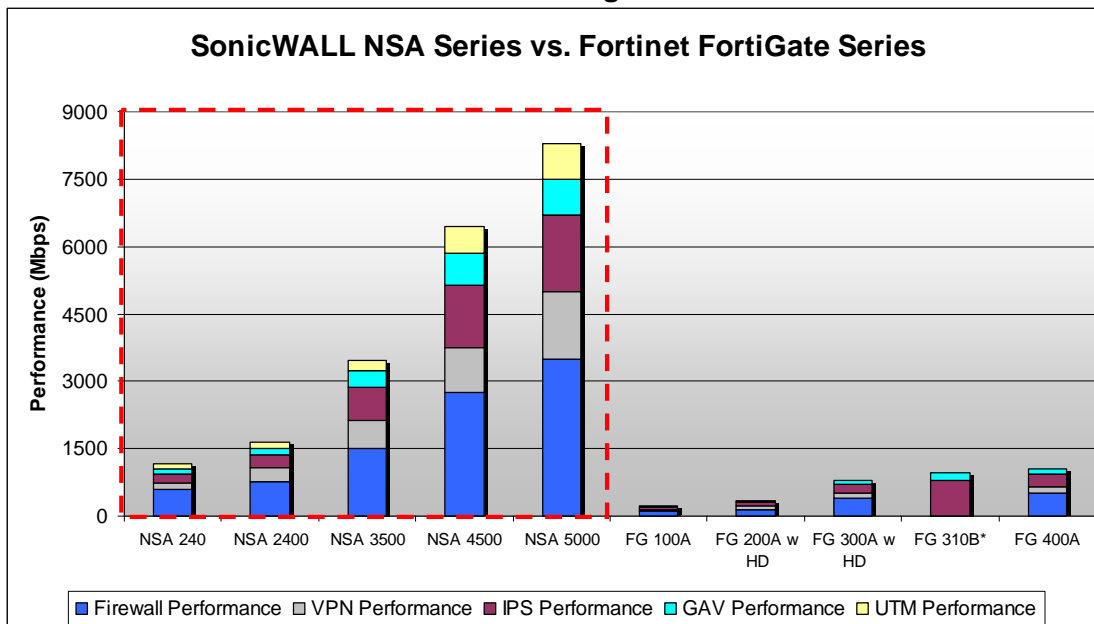
Network World Review "UTM firewall review: SonicWALL smashes speed records"

<http://www.networkworld.com/reviews/2008/040708-sonicwall-utm-gigabit-test.html>

Channel Insider "NSA E7500 Wins Security Appliance of the Year beating out the FortiGate 3810A!"

<http://www.channelinsider.com/c/a/News/2008-Channel-Products-of-the-Year/10/>

The NSA Series UTM Performance Advantage



*Firewall and VPN performance for the 310B is 8 Gbps and 6 Gbps respectively.

¹Firewall and VPN throughput measured using UPD traffic adhering to RFC 2544. Gateway AV/Anti-Spyware/IPS throughput measured using industry standard Spirent WebAvalanche HTTP performance test. FortiGate performance is based on the datasheet numbers published by Fortinet.

Feature Comparison	SonicWALL	Fortinet
Networking		
Zone based Security	Yes	No
802.1q	Yes	Yes
QoS 802.1p	Yes	Yes
WAN LB	Yes (A/P, Spill Over, RR, Percentage)	No
Routing	OSPF, RIP, PBR, Static	OSPF, RIP, PBR, BGP
DHCP w Options	Yes	Yes
IP Helper/ DHCP Relay	Yes	Yes
Secure Wireless	Yes	No
SSL Control	Yes	No
VoIP (SIP, H.323)	Yes	Yes
Dynamic DNS	Yes	Yes
Custom NAT Policies	Yes	Yes
User Authentication	Local, RADIUS, LDAP, SSO, Wireless Guest Users	Local, RADIUS, LDAP, TACACS, SSO
High Availability	A/P with State Sync	A/P, A/A
Layer-2 Bridge Mode	Yes	Yes
VPN		
Site-to-site	Yes	Yes
Client-to-site	Yes	Yes
Certificates (X.509)	Yes	Yes
Hub and Spoke	Yes	Yes
VPN Fail-Over	Yes	Yes
Management & Reporting		
Management	GUI, CLI, GMS	GUI, CLI, Forti-Manager
Local Logging	Yes	Yes
Syslog	Yes	Yes
SNMP	Yes	Yes
Email Logs	Yes	Yes
Security		
DoS/DDoS	Yes (22 + Classes)	Yes
Intrusion Prevention (IPS/IDP)	Yes (3,000+)	Yes
Gateway Anti-Virus (GAV)	Yes	Yes (Limited protocol support HTTP, FTP, Mail) File size limits
Anti-Spyware (AS)	Yes	Yes
Content Filtering (CFS)	Yes	Yes
Application Firewall Controls	Yes	No
Anti-Spam	Yes, (RBL)	Yes
Certifications	EAL4+, FIPS 140-2 Level 2, (Pending ICSA Firewall, NSS)	FIPS 140-2, ICSA (VPN, Firewall, IPS, GAV)

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SonicWALL NSA Series vs. Fortinet FortiGate Series		SonicWALL	Fortinet
More Comprehensive Integrated Security Services	Integrated intrusion prevention signatures	●	●
	Integrated anti-virus signatures	●	○
	Unlimited user gateway anti-virus license	●	●
	Granular signature control	●	○
	Protocols scanned	●	○
	Does not limit file size scanning	●	○
	Does not limit concurrent file scanning	●	○
	Provides IM scanning	●	○
	Provides P2P scanning	●	○
	Integrated application inspection/firewall	●	○
	Includes anti-spyware signatures	●	○
	Integrated URL filtering	●	●
	Integrated anti-spam	○	○
	Enforced anti-virus client	●	○
	Single appliance can support gateway anti-virus, intrusion prevention, anti-spyware and application inspection/firewall	●	○
Superior Ease-of-Use	Comprehensive Web management interface	●	●
	Command line interface	●	●
	Provides per zone security control and configuration	●	○
	Software upgrades can be done using the Web management interface	●	●
	Granular anti-virus and anti-spyware signature control	●	○
	Integrated secure wireless networking	●	○
	Central management of multiple appliances	●	○
Lower TCO	Provides internal network scanning performance	●	○
	Unlimited user license for gateway anti-virus	●	●
	Application level policy controls	●	○
	Load balancing feature set	●	○
	Integrated URL filtering	●	●
Legend	● Full	○ Partial	○ No Support

How to position against Fortinet

FortiGate appliances have limited protocol support

- Fortinet's gateway anti-virus scanning service scans only a few known protocols including HTTP, FTP, IMAP, POP3, NNTP, SMTP and IM. As a result traffic using different services like peer-to-peer appliances is not scanned for viruses. In addition to the above protocols, SonicWALL also scans any TCP stream-based protocol including P2P, NetBIOS and more, providing true business class protection.

FortiGate appliances do not provide any method for application level policy control

- The NSA appliances provide a new level of UTM protection and network control through the Application Firewall feature set, delivering a suite of configurable tools to prevent data leakage while providing granular application control. Application Firewall is a set of granular, application specific policies that allow custom access control on per user, per e-mail user, per schedule and per IP subnet levels. Among its wide range of policies, its capabilities include restricting transfer of specific files and documents, blocking email attachments using a user-configurable criteria, customized application control, bandwidth limiting for matched policies, as well as denying internal and external Web access based on various user-configurable options. Using Application Firewall, the NSA

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Series provides both application level access control and data leakage functionality, as well as the ability to create pure custom signatures, creating a future proofed solution for administrators.

Performance of FortiGate’s dedicated security ASIC

- Fortinet continues to claim their ASIC approach to deep packet inspection will support gigabit and multi-gigabit performance.
- Performance testing done on the FG 3016B showed new TCP connections per second were 7k with UTM services disabled and 3.2k with UTM services enabled. UTM performance on the 3016B was 336Mbps.¹ The performance offering from Fortinet does not even come close to gigabit performance even with a dedicated security ASIC. Using the same test environment SonicWALL’s E-Class NSA E7500 was achieving over 1 Gbps of full UTM performance.

¹Performance data obtained using Spirent’s Avalanche Reflector testing equipment.

How Fortinet may position against SonicWALL

About SonicWALL	About Fortinet	SonicWALL Counter
The SonicWALL platforms use general purpose CPUs with no ASICs. They use a cryptographic co-processor only in some high-end appliances.	Fortinet’s ASIC-based architecture delivers industry leading application security performance scaling to Gigabit throughput.	All SonicWALL NSA appliances are based on the latest multi-core architecture offering up to 16 cores providing ultra-high performance Deep Packet Inspection processing.
The SonicWALL platforms lack important industry certifications such as ICSA, EAL or NSS.	EAL4+: The current release of FortiOS has been certified to meet CC EAL4+ Federal security standards. ICSA: The Fortigate security systems have earned ICSA certifications for FW, IPSec, SSL VPN, IPs and AV. NSS: Fortigate IPS has achieved NSS Approved certification.	The NSA appliances have achieved the following certifications (FIPS 140-2 Level 2, EAL4+) pending ICSA Firewall and NSS certification.
The SonicWALL products offer limited IPS capabilities with no separate IPS database or ability to import custom signatures. Also IPS blocking is limited to only three classes of attacks (high, Medium, Low) severely limiting flexibility.	Fortinet’s comprehensive security solutions includes three modes of IPS including FortiGuard Network provided signatures, protocol anomalies, and customer written signatures. Fortinet’s IPS system provides better granularity with policy based protection profiles and five classes of attacks.	In addition to three classes SonicWALL provides block and log or log only options for IPS. SonicWALL offers granular signature creation using Application Firewall. SonicWALL provides granular IPS control using groups, zones and objects and optional inclusion/exclusion lists.
The SonicWALL appliances only support active-passive HA and require the enhanced OS at extra cost.	All FortiGate appliances from the model 60 on up support active active HA and allow load balancing of traffic across clusters of multiple units.	All SonicWALL NSA appliances support active/passive high availability with state sync. Additionally SonicWALL NSA appliances provide inbound and outbound load balancing capabilities.
The SonicWALL only supports IPSec and PPTP, requiring you to buy another appliance for SSL VPNs.	Stress Fortinet’s feature rich VPNs with tunnel interfaces and integrated SSL VPN with support for Tunnel mode and Web mode applications.	SonicWALL provides a feature rich IPSec VPN implementation for all NSA appliances. SonicWALL provides a family of best of breed SSL-VPN appliances, offering a robust feature set, end point enforcement and better scalability than Fortinet’s integrated SSL-VPN solution.

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SonicWALL only supports a database of 4 million plus rated Web sites and 50 categories. Their basic Web filtering is only 12 categories and you pay extra for the full 50 categories.	The FortiGate Web Filtering service supports over 29 million rated Web sites plus has 76 categories and 5 classifications of URL's.	SonicWALL supports well over 15 million URLs and IP addresses segmented into 56 categories. Administrators are provided CFS policy control on a per user/group basis.
The SonicWALL only supports RIP and OSPF. No support for BGP and no multicast routing support.	FortiGate security gateways provide full support for dynamic routing protocols including RIP, OSPF and BGP. Fortinet also supports PIM DM and SM as well as IGRP/IGMP for multicast control.	SonicWALL NSA appliances provide support for the following dynamic routing protocols including RIP, OSPF and multicast routing. Multicast support includes PIM DM as well as IGMP for multicast control.
The SonicWALL appliances do not support 802.11 a/b/g (they have b and g only) and only support one SSID.	Fortinet's Wifi units support 802.11 a/b/g and support multiple SSIDs for separate public and private wireless access policies.	Using an NSA appliance, SonicWALL offers scalable wireless deployments that fit a wide range of customer needs. Fortinet's wireless offering is a single access point that offers zero scalability.

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