



# SonicWALL NSA Series

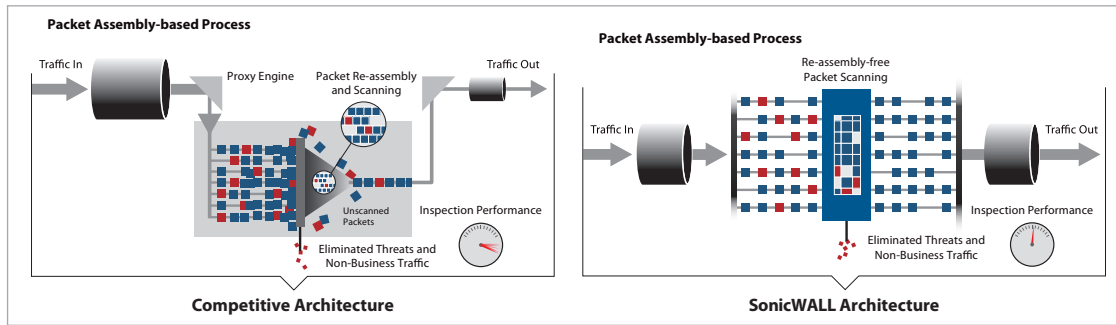
뛰어난 확장성

강화된 성능

차세대 방화벽

## 확장성: 특허 기술 (RFDPI)

미국특허 7,310,815 - A method and apparatus for data stream analysis and blocking.  
실시간과 지연에 민감한 어플리케이션들 및 트래픽에 대한 정밀검사



## Re-Assembly Free Inspection

### Technology

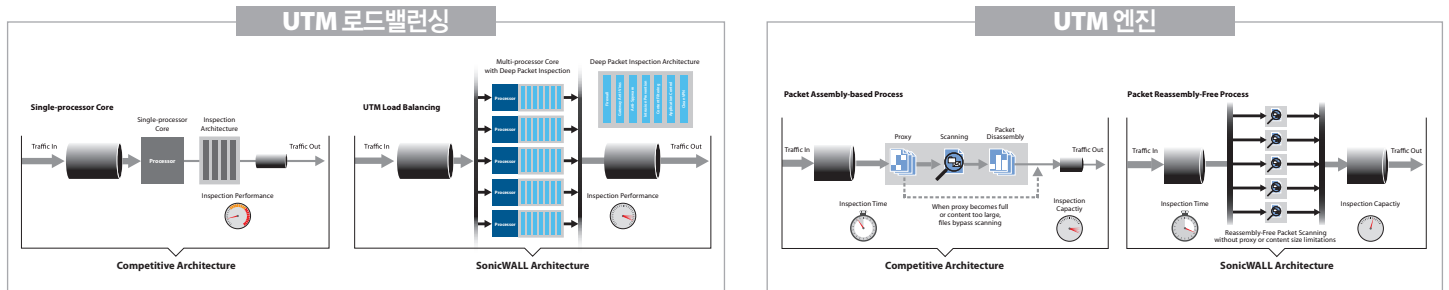
- 메모리에 데이터 복사없이 트래픽상의 파일 및 콘텐츠 검사
- 패킷 도착 순서에 관계없이 처리

### Benefit

- 지연 감소
  - 실시간 스캐닝이 우수함
- 메모리 용량 부족에 의한 파일 크기 및 세션 제한이 없음.

## 강화된 성능 - "Multi-core"

차세대 멀티코어 기술 : 입력되는 네트워크 트래픽은 할당된 보안 멀티 코어 프로세서에 의해서 부하가 분산됨



## Next-Generation Firewall

### Identity

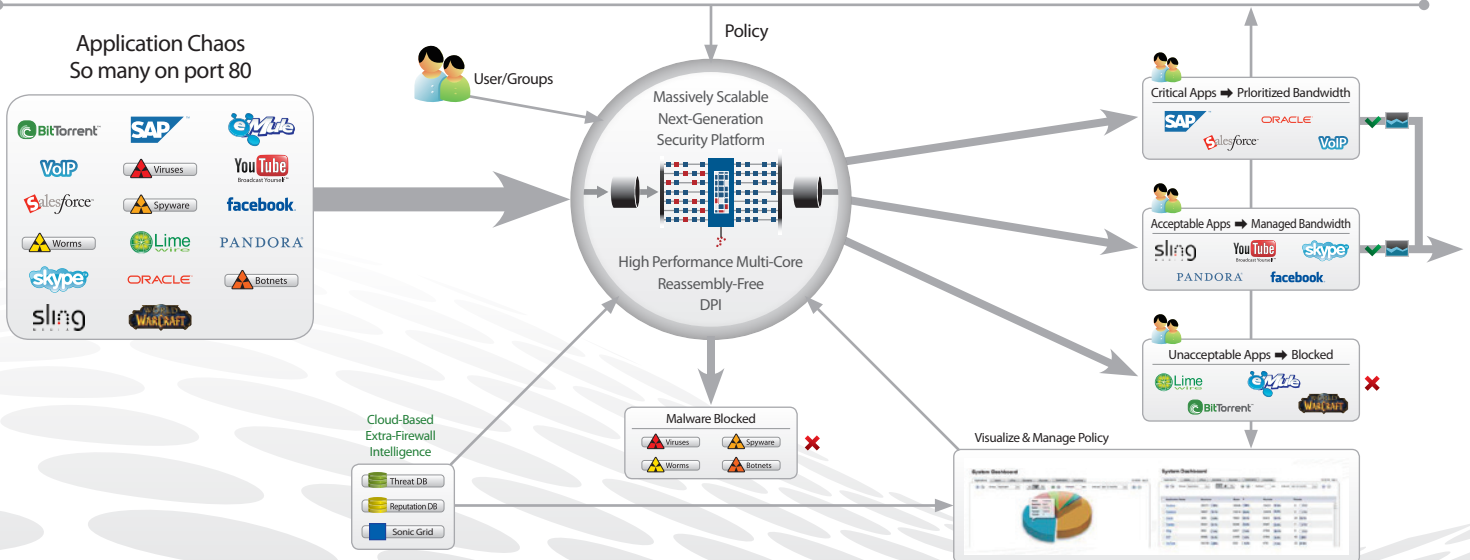
By Application - Not by Port & Protocol  
By User/Group - Not by IP  
By Content Inspection - Not by Filename

### Categorize

By Application  
By Application Category  
By Destination  
By Content  
By User/Group

### Control

Prioritize Apps by Policy  
Manage Apps by Policy  
Block Apps by Policy  
Detect and Block Malware  
Detect & prevent Intrusion Attempts





NSA4500



NSA 3500



NSA 2400



NSA 250M



NSA 220

## Specifications

Feature	NSA 220/W	NSA 250M/W	NSA 2400	NSA 3500	NSA 4500
<b>Firewall</b>					
SonicOS Version	SonicOS 5.8.1.1		SonicOS Enhanced 5.6 (or higher)		
Stateful Throughput <sup>1</sup>	600 Mbps	750 Mbps	775 Mbps	1.5 Gbps	2.75 Gbps
GAV Performance <sup>2</sup>	115 Mbps	140 Mbps	160 Mbps	350 Mbps	690 Mbps
IPS Performance <sup>2</sup>	195 Mbps	250 Mbps	275 Mbps	750 Mbps	1.4 Gbps
UTM Performance <sup>2</sup>	110 Mbps	130 Mbps	150 Mbps	240 Mbps	600 Mbps
IMIX Performance <sup>2</sup>	180 Mbps	210 Mbps	235 Mbps	580 Mbps	700 Mbps
Maximum Connections <sup>3</sup>	85,000	110,000	225,000	325,000	500,000
Maximum UTM Connections	32,000	64,000	125,000	175,000	250,000
New Connections/Sec	2,200	3,000	4,000	7,000	10,000
Nodes Supported	Unrestricted				
Denial of Service Attack Prevention	22 classes of DoS, DDoS and scanning attacks				
SonicPoints Supported (Maximum)	16	24	32	48	64
<b>VPN</b>					
3DES/AES Throughput <sup>5</sup>	150 Mb	200 Mbps	300 Mbps	625 Mbps	1.0 Gbp
Site-to-Site VPN Tunnels	25	50	75	800	25/50 <sup>†</sup>
Bundled Global VPN Client Licenses (Maximum)	2 (25)	2 (25)	10 (250)	50 (1,000)	2 (25)
Bundled SSL VPN Licenses (Maximum)	2 (15)	2 (15)	2 (25)	2 (30)	2 (15)
Virtual Assist Bundled (Maximum)	1 30-day Trial (5)	1 30-day Trial (5)	1 (5)	2 (10)	1 30-day Trial (5)
Encryption/Authentication/DH Groups	DES, 3DES, AES (128, 192, 256-bit), MD5, SHA-1/DH Groups 1, 2, 5, 14				
Key Exchange	Key Exchange IKE, IKEv2, Manual Key, PKI (X.509), L2TP over IPSec				
Route-based VPN	Yes (OSPF, RIP)				
Certificate Support	Verisign, Thawte, Cybertrust, RSA Keon, Entrust, and Microsoft CA for SonicWALL-to-SonicWALL VPN, SCEP				
Dead Peer Detection	Yes				
DHCP Over VPN	Yes				
IPSec NAT Traversal	Yes				
Redundant VPN Gateway	Yes				
Global VPN Client Platforms Supported	Microsoft® Windows 2000, Windows XP, Microsoft® Vista 32/64-bit, Windows 7 32/64-bit				
SSL VPN Platforms Supported	Microsoft® Windows 2000 / XP / Vista 32/64-bit / Windows 7, Mac 10.4+, Linux FC 3+ / Ubuntu 7+ / OpenSUSE				
<b>Security Services</b>					
Deep Packet Inspection Service	Gateway Anti-Virus, Anti-Spyware, Intrusion Prevention and Application Intelligence and Control				
Content Filtering Service Premium Edition	(CFS) HTTP URL, HTTPS IP, keyword and content scanning ActiveX, Java Applet, and cookie blocking bandwidth management on filtering categories, allow/forbid lists				
Gateway-enforced Client Anti-Virus and Anti-Spyware	McAfee® or Kaspersky®				
Comprehensive Anti-Spam Service	Supported				
Application Intelligence and Control	Application bandwidth management and control, prioritize or block application by signatures, control file transfers, scan for key words or phrases				
DPI-SSL <sup>6</sup>	Provides the ability to decrypt HTTPS traffic transparently, scan this traffic for threats using SonicWALL's Deep Packet Inspection technology (GAV/AS/IPS/ Application Intelligence/CFS), then re-encrypt the traffic and send it to its destination if no threats or vulnerabilities are found. This feature works for both clients and servers.				
<b>Networking</b>					
IP Address Assignment	Static, (DHCP, PPPoE, L2TP and PPTP client), Internal DHCP server, DHCP relay				
NAT Modes	1:1, 1:many, many:1, many:many, flexible NAT (overlapping IPs), PAT, transparent mode				
VLAN Interfaces (802.1q)	25	35	25	50	200
Routing	OSPF, RIPv1/v2, static routes, policy-based routing, Multicast				
QoS	Bandwidth priority, maximum bandwidth, guaranteed bandwidth, DSCP marking, 802.1p				
IPv6	Yes				
Authentication	XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, Terminal Services, Citrix				
Internal Database/Single Sign-on Users	100/100 Users	150/150 Users	250/250 Users	300/500 Users	1,000/1,000 Users
VoIP	Full H.323v1-5, SIP, gatekeeper support, outbound bandwidth management, VoIP over WLAN, deep inspection security, full interoperability with most VoIP gateway and communications devices				
Switching Features(2400MX Only)	VLAN Trunking, Rapid Spanning Tree, Layer 2 Discovery, Link Aggregation, Port Mirroring, Layer 2 QoS, Rate Control, Port Security				
<b>Hardware</b>					
Interfaces	(7) 10/100/1000 Copper Gigabit Ports, 2 USB, 1 Console Interface	(5) 10/100/1000 Copper Gigabit Ports, 2 USB, 1 Console Interface	(6) 10/100/1000 Copper Gigabit Ports, 1 Console Interface, 2 USB		
Memory (RAM)			512 MB		
Flash Memory	32 MB Compact Flash		512 MB Compact Flash		
Fans	No Fan/1 Internal Fan	2 Internal Fans		2 Fans	
Certifications	VPNC, ICSA Firewall 4.1		EAL4+, FIPS 140-2 Level 2, VPNC, ICSA Firewall 4.1, IPv6 Phase 1, IPv6 Phase 2		

### Certifications



<sup>1</sup> Testing Methodologies: Maximum performance based on RFC. 2544 (for firewall). Actual performance may vary depending on network conditions and activated services.

<sup>2</sup> UTM/Gateway AV/Anti-Spyware/IPS throughput measured using industry standard Spirent WebAvalanche HTTP performance test and Ixia test tools. Testing done with multiple flows through multiple port pairs.

<sup>3</sup> Actual maximum connection counts are lower when UTM services are enabled.

<sup>4</sup> Only with the NSA 240 Stateful HA and Expansion Upgrade.

<sup>5</sup> VPN throughput measured using UDP traffic at 1280 byte packet size adhering to RFC 2544.

<sup>6</sup> Supported on the NSA 3500 and higher.