

# SonicWall Network Security virtual (NSv) series

Next-gen security for public, private or hybrid cloud environments

The design, implementation and deployment of modern network architectures, such as virtualization and cloud, continue to be a game-changing strategy for many organizations. Virtualizing the data center, migrating to the cloud, or a combination of both, demonstrats significant operational and economic advantages. However, vulnerabilities within virtual environments are well-documented. New vulnerabilities are discovered regularly that yield serious security implications and challenges. To ensure applications and services are delivered safely, efficiently and in a scalable manner, while combating threats harmful to all parts of the virtual framework including virtual machines (VM), application workloads and data must be among the top priorities.

SonicWall Network Security virtual (NSv) firewalls help security teams reduce these types of security risks and vulnerabilities, which can cause serious disruption to your business-critical services and

operations. NSv next generation virtual firewall (NGFW) series integrate two advanced security technologies to deliver cutting-edge threat prevention that keeps your network one step ahead. SonicWall's patent-pending Real-Time Deep Memory Inspection (RTDMI™) technology enhances our award-winning multi-engine Capture Advanced Threat Protection (ATP) sandboxing service. The RTDMI engine proactively detects and blocks mass market, zero-day threats and unknown malware by inspecting directly in memory. Because of the real-time architecture, SonicWall 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. In combination. SonicWall's patented\* single-pass Reassembly-Free Deep Packet Inspection (RFDPI) engine examines every byte of every packet, inspecting both inbound and outbound traffic on the firewall.

# CAPTURE CLOUD PLATFORM THREAT DETECTION MANAGEMENT REPORTING & ANALYTICS MANAGEMENT REPORTING & ANALYTICS REPORTING & ANALYTICS South Company of the Com

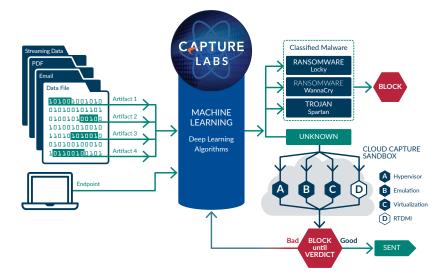
#### **Benefits**

Public and private cloud security

- Next-gen firewall with automated real-time breach detection and prevention capabilities
- Patent-pending Real-Time Deep Memory Inspection (RTDMI™) technology
- Patented Reassembly-Free Deep Packet Inspection (RFDPI®) technology
- Complete end-to-end visibility and
  control
- Application intelligence and control
- Segmentation security and security zoning
- Platform support across private cloud (ESXi, Hyper-V) and public cloud (AWS, Azure) platforms

#### Virtual machine protection

- Zero-day threat protection with Capture ATP
- Data confidentiality
- Secure communication with data leakage prevention
- Traffic validation, inspection and monitoring mechanism
- System safety and integrity
- Virtual network resilience and availability



NSv series delivers automated realtime breach detection and prevention organizations need by utilizing innovative deep learning technologies in the SonicWall Capture Cloud Platform. This platform delivers cloud-based threat prevention and network management plus reporting and analytics for organizations of any size. The platform consolidates threat intelligence gathered from multiple sources including our Capture ATP, as well as more than 1 million SonicWall sensors located around the globe. By leveraging the SonicWall Capture Cloud Platform in addition to capabilities including intrusion prevention, anti-malware and web/URL filtering, the NSv series blocks even the stealthiest threats at the gateway.

NSv is easily deployed and provisioned in a virtual environment, typically between virtual networks (VNs) or virtual private clouds (VPCs). This allows it to capture communications and data exchanges between virtual machines for automated breach prevention, while establishing stringent access control measures for data confidentiality and VM safety and integrity. Security threats (such as crossvirtual-machine or side-channel attacks, common network-based intrusions, and application and protocol vulnerabilities) are neutraces<sup>1</sup>. All VM traffic is subjected to multiple threat analysis engines, including intrusion prevention, gateway anti-virus and anti-spyware, cloud anti-virus, botnet filtering, application control and Capture ATP multi-engine sandboxing with RTDMI technology.

#### Segmentation Security

For optimal effectiveness against Advanced Persistent Threats (APTs), network security segmentation must apply an integrated set of dynamic, enforceable barriers to advanced threats. With segment-based security capabilities, NSv can group similar interfaces and apply the same policies to them, instead of having to write the same policy for each interface. By applying security policies to the inside of the VN, segmentation can be configured to organize network resources into different segments, and allow or restrict traffic between those segments. This way, access to critical internal resources can be strictly controlled.

NSv can automatically enforce segmentation restrictions based upon dynamic criteria, such as user identity credentials, geo-IP location and the security stature of mobile endpoints. For extended security, NSv it also capable of integrating multi-gigabit network switching into its security segment policy and enforcement. It directs segment policy to traffic at switching points throughout the network, and globally manage segment security enforcement from a single pane of glass.

Since segments are only as effective as the security that can be enforced between them, NSv applies intrusion prevention service (IPS) to scan incoming and outgoing traffic on the VLAN segment to enhance security for internal network traffic. For each

segment, it enforces a full range of security services on multiple interfaces based on enforceable policy.

#### Flexible Deployment Use Cases

With infrastructure support for high availability (HA) implementation, NSv fulfills scalability and availability requirements of Software Defined Data Centers (SDDC). It ensures system resiliency, service reliability, and regulatory conformance. Optimized for broad range of public, private and hybrid deployment use cases, NSv can adapt to service-level changes and ensure VMs and their application workloads and data assets are available, as well as secure. It can do it all at multi-Gbps speed and low latency.

Organizations gain all the security advantages of a physical firewall, with the operational and economic benefits of virtualization. This includes system scalability, operation agility, provisioning speed, simple management and cost reduction.

The NSv Series is available in multiple virtual flavors carefully packaged for broad range of virtualized and cloud deployment use cases. Delivering multigigabit threat prevention and encrypted traffic inspection performance, the NSv Series can adapt to capacity-level increases and ensure VNs and VPCs safety, and application workloads and data assets are available as well as secure.

#### Govern Centrally

NSv deployments can be centrally managed either on premises with SonicWall Global Management System (GMS2), or with Capture Security Center2, SonicWall's open, scalable cloud security management, monitoring, reporting and analytics platform delivered as a cost-effective as-a-service offering.

Capture Security Center gives the ultimate in visibility, agility and capacity to govern the entire SonicWall virtual and physical firewall ecosystem with greater clarity, precision, and speed – all from a single pane of glass.



#### **GOVERNS CENTRALLY**

- Establish an easy path to comprehensive security management, analytic reporting and compliance to unify your network security defense program
- Automate and correlate workflows to form a fully coordinated security governance, compliance and risk management strategy

#### **COMPLIANCE**

- Helps make regulatory bodies and auditors happy with automatic PCI, HIPAA and SOX security reports
- Customize any combination of security auditable data to help you move towards specific compliance regulations

#### RISK MANAGEMENT

- Move fast and drive collaboration, communication and knowledge across the shared security framework
- Make informed security policy decisions based on time-critical and consolidated threat information for higher level of security efficiency

GMS provides a holistic approach to security governance, compliance and risk management

#### **Features**

#### SonicOS Platform

The SonicOS architecture is at the core of every SonicWall physical and virtual firewall including the NSv and NSa Series, SuperMassive™ Series and TZ Series. Refer to the SonicWall SonicOS Platform datasheet for complete list of features and capabilities.

#### Automated breach prevention<sup>1</sup>

NSv delivers complete advanced threat protection, including high-performance intrusion and malware prevention, and cloud-based sandboxing with SonicWall's RTDMI technology.

#### Around-the-clock security<sup>1</sup>

NSv ensures lateral movement protection, plus inbound and outbound traffic protection. New threat updates are automatically pushed to firewalls with active security services, and take effect immediately without reboots or interruptions.

#### Zero-day protection<sup>1</sup>

NSv protects against zero-day attacks with constant updates against the latest exploit methods and techniques that cover thousands of individual exploits.

#### Threat API

NSv receives and leverages any and all proprietary, original equipment manufacturer and third-party intelligence feeds to combat advanced threats, such as zeroday, malicious insider, compromised credentials, ransomware and advanced persistent threats.

#### Zone protection

NSv strengthens internal security by enabling segmentation of the network into multiple security zones, with intrusion prevention service keeping threats from propagating across the zone boundaries. Creating and applying access rules and NAT policies to traffic passing through the various interfaces, it can allow or deny internal or external network access based on various criteria.

#### Application intelligence and control<sup>1</sup>

NSv provides granular control over network traffic at the user, email address, schedule, and IP-subnet levels, with application-specific policies. It controls custom applications by creating signatures based on specific parameters or patterns unique to an application. Internal or external network access is allowed or denied based on various criteria.

#### Data leakage prevention

NSv provides the ability to scan streams of data for keywords. This restrict the transfer of certain file names, file types, email attachments, attachment types, email with certain subjects, and email or attachments with certain keywords or byte patterns.

### Application layer bandwidth management

NSv can select among various bandwidth management settings to reduce network bandwidth usage by an application, using packet monitor. This provides further control over the network.

#### Secure communication

NSv ensures that data exchange between groups of virtual machines is done securely, including isolation, confidentiality, integrity, and information flow control within these networks via the use of segmentation.

#### Access control

NSv validates that only VMs that satisfy a given set of conditions are able to access data belonging to another through the use of VLANs.

#### User authentication

NSv creates policies to control or restrict VM and workload access by unauthorized users.

#### Data confidentiality

NSv blocks information theft and illegitimate access to protected data and services.

# Virtual network resilience and availability

NSv prevents disruption or degradation of application services and communications.

#### System safety and integrity

NSv stops unauthorized takeover of VM systems and services.

# Traffic validation, inspection and monitoring mechanisms

NSv detects irregularities and malicious behaviors to stop attacks targeting VM workloads.

#### **Deployment options**

NSv can be deployed on a wide variety of virtualized and cloud platforms for various private/public cloud security use cases.



 $<sup>^{\</sup>rm 1}\,\text{Requires}$  SonicWall Advanced Gateway Security Services (AGSS) subscription.

<sup>&</sup>lt;sup>2</sup> SonicWall Global Management System and Capture Security Center require separate licensing or subscription.

#### NSv Series system specifications

Firewall General	NSv 10	NSv 25	NSv 50	NSv 100
Operating system		Sc	onicOS¹	
Supported Hypervisors	VMware ESXi v5.5 / v6.0 / v6.5 / v6.7, Microsoft Hyper-V Win 2012 / 2016			
Max Supported vCPUs	2	2	2	2
Interface Count (ESXi/Hyper-V)	8/8	8/8	8/8	8/8
Max Mgmt/DataPlane Cores	1/1	1/1	1/1	1/1
Min Memory <sup>2</sup>	4 GB	4 GB	4 GB	4 GB
Max Memory³	6 GB	6 GB	6 GB	6 GB
Supported IP/Nodes	10	25	50	100
Minimum Storage		(	60 GB	
SSO users	25	50	100	100
Logging		Analyzer, L	ocal Log, Syslog	
High availability		Activ	/e/Passive	
Firewall/VPN Performance <sup>5</sup>	NSv 10	NSv25	NSv 50	NSv 100
Firewall Inspection Throughput	2 Gbps	2.5 Gbps	3 Gbps	3.5 Gbps
Full DPI Throughput (GAV/GAS/IPS)	450 Mbps	550 Mbps	650 Mbps	750 Mbps
Application Inspection Throughput	1 Gbps	1.25 Gbps	1.5 Gbps	1.75 Gbps
IPS Throughput	1 Gbps	1.25 Gbps	1.5 Gbps	1.75 Gbps
Anti-Malware Inspection Throughput	450 Mbps	550 Mbps	650 Mbps	750 Mbps
IMIX Throughput	750 Mbps	850 Mbps	950 Mbps	1100 Mbps
TLS/SSL DPI Throughput	650 Mbps	750 Mbps	850 Mbps	950 Mbps
VPN Throughput	500 Mbps	550 Mbps	600 Mbps	650 Mbps
Connections per second	1,800	5,000	8,000	10,000
Maximum connections (SPI)	2,500	6,250	12,500	25,000
Maximum connections (DPI)	2,500	6,250	12,500	25,000
TLS/SSL DPI Connections	500	1,000	2,000	4,000
VPN	NSv 10	NSv 25	NSv 50	NSv 100
Site-to-Site VPN Tunnels	10	10	25	50
IPSec VPN clients	10	10	25	25
SSL VPN NetExtender Clients (Maximum)	2(10)	2(25)	2(25)	2(25)
Encryption/authentication	DES, 3DES, AE	S (128, 192, 256-bit)/MD5	5, SHA-1, Suite B, Common Ad	ccess Card (CAC)
Key exchange		Diffie Hellman	Groups 1, 2, 5, 14v	
Route-based VPN		RIP, C	OSPF, BGP	
Networking	NSv 10	NSv 25	NSv 50	NSv 100
IP address assignment		Static, DHCP, internal	DHCP server, DHCP relay	
NAT modes		1:1, many:1, 1:many, flexi	ble NAT (overlapping IPs), PAT	-
VLAN Interfaces	25	25	50	50
Routing protocols		BGP, OSPF, RIPv1/v2, sta	tic routes, policy-based routing	g
QoS	Bandwidth p	riority, max bandwidth, gu	aranteed bandwidth, DSCP m	arking, 802.1p
Authentication	XAUTH/RADIUS, Acti	ve Directory, SSO, LDAP, N	Novell, internal user database,	Terminal Services, Citri
VoIP	SIP			
Standards	TCP/IP, ICMP.	HTTP, HTTPS, IPSec, ISAI	KMP/IKE, SNMP, DHCP, L2TP,	PPTP, RADIUS



#### NSv Series system specifications con't

Supported Public Cloud Platforms   NAWS (c5 Jarge),   AWS (c5 Jarge),   AWS (c5 Jarge),   Azure (Std D3 v2)   Azure (Std D3	Firewall General	NSv 200	NSv 300	NSv 400	NSv 800	NSv 1600
Supported Public Cloud Platforms	Operating system			SonicOS <sup>1</sup>		
Initiatine Type    Azure (Std D3 v2)   Azure	Supported Hypervisors	VMware ESXi v5.5 / v6.0 / v6.5 / v6.7, Microsoft Hyper-V				
Interface Count (IESXIV Hyper-V/ AWS/Azure)	Supported Public Cloud Platforms (Instance Type)		N/A	, , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	AWS (c5.4xlarge), Azure (Std D5 v2)
AVAS/Arure    6/61/2   6/61/2   6/61/2   6/61/2   6/61/2   6/61/2   6/61/2   1/3   1/7   1/15	Max Supported vCPUs	2	3	4	8	16
Min Memory   6 GB	Interface Count (ESXi/ Hyper-V/ AWS/Azure)	8/8/2/2	8/8/-/-	8/8/4/4	8/8/8/8	8/8/8
Max Memory*         6 GB         8 GB         10 GB         14 GB         18 GB           Supported IP/Nodes         Unlimited         Corrocal Experiments         Except Page 20         Unlimited         Deciding         20.000         Unlimited         Unlim	Max Mgmt/DataPlane Cores	1/1	1/2	1/3	1/7	1/15
Supported IP/Nodes         Unlimited         ON SUBSIDER         Active/Passive         Company         Comp	Min Memory <sup>2</sup>	6 GB	6 GB	8 GB	10 GB	12 GB
Minimum Storage   500   5,000   10,000   15,000   20,000	Max Memory <sup>3</sup>	6 GB	8 GB	10 GB	14 GB	18 GB
SSO users   SOO   S.000   10.000   15.000   20.000	Supported IP/Nodes	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Analyzer, Local Log. Syslog	Minimum Storage			60 GB		
Active/Passive*   NSV 200	SSO users	500	5,000	10,000	15,000	20,000
NSV 200	Logging		Aı	nalyzer, Local Log, Sysk	og	
Firewall Inspection Throughput	High availability			Active/Passive <sup>4</sup>		
Full DPI Throughput (GAV/GAS/IPS) 900 Mbps 1.6 Gbps 2.2 Gbps 4.0 Gbps 6.4 Gbps Application Inspection Throughput 2.3 Gbps 3.4 Gbps 4.1 Gbps 5.5 Gbps 6.4 Gbps IPS Throughput 2.3 Gbps 3.4 Gbps 4.1 Gbps 5.5 Gbps 6.4 Gbps Anti-Malware Inspection Throughput 900 Mbps 1.6 Gbps 2.2 Gbps 4.0 Gbps 6.6 Gbps Anti-Malware Inspection Throughput 900 Mbps 1.6 Gbps 2.2 Gbps 4.0 Gbps 6.6 Gbps IMIX Throughput 1.5 Gbps 2.3 Gbps 2.8 Gbps 4.2 Gbps 5.3 Gbps TLS/SSL DPI Throughput 1.1 Gbps 1.2 Gbps 1.8 Gbps 3.4 Gbps 5.1 Gbps 7.1 Gbps 7.2 Gbps 1.8 Gbps 3.4 Gbps 5.1 Gbps 7.1 Gbps 7.2 Gbps 7.2 Gbps 7.2 Gbps 7.3 Gbps 7.1 Gbps 7.2 Gbps 7.3 Gbps 7.1 Gbps 7.2 Gbps 7.3 Gbps 7.1 Gbps 7.3 Gbps	Firewall/VPN Performance <sup>5</sup>	NSv 200	NSv 300	NSv 400	NSv 800	NSv 1600
Application Inspection Throughput         2.3 Gbps         3.4 Gbps         4.1 Gbps         5.5 Gbps         6.4 Gbps           APS Throughput         2.3 Gbps         3.4 Gbps         4.1 Gbps         5.5 Gbps         6.7 Gbps           Anti-Malware Inspection Throughput         900 Mbps         1.6 Gbps         2.2 Gbps         4.0 Gbps         6.6 Gbps           MIX Throughput         1.5 Gbps         2.3 Gbps         2.8 Gbps         4.2 Gbps         5.3 Gbps           TLS/SSL DPI Throughput         1.1 Gbps         1.2 Gbps         1.8 Gbps         3.4 Gbps         5.1 Gbps           VPN Throughput         750 Mbps         1.4 Gbps         1.9 Gbps         4.2 Gbps         8.4 Gbps           Connections per second         13,760         24,360         37,270         75,640         125,000           Maximum connections (SPI)         225,000         1M         1.5M         3M         4M           Maximum connections (DPI)         125,000         500,000         1.5M         2M         2.5M           TLS/SSL DPI Connections         8,000         12,000         20,000         30,000         50,000           YPN         Nsv 200         Nsv 300         Nsv 400         Nsv 800         Nsv 1600           SEC tVPN Tclients (M	Firewall Inspection Throughput	4.1 Gbps	5.9 Gbps	7.8 Gbps	13.9 Gbps	17.2 Gbps
PS Throughput   2.3 Gbps   3.4 Gbps   4.1 Gbps   5.5 Gbps   6.7 Gbps	Full DPI Throughput (GAV/GAS/IPS)	900 Mbps	1.6 Gbps	2.2 Gbps	4.0 Gbps	6.4 Gbps
Anti-Malware Inspection Throughput 900 Mbps 1.6 Gbps 2.2 Gbps 4.0 Gbps 6.6 Gbps MIX Throughput 1.5 Gbps 2.3 Gbps 2.8 Gbps 4.2 Gbps 5.3 Gbps TLS/SSL DPI Throughput 1.1 Gbps 1.2 Gbps 1.8 Gbps 3.4 Gbps 5.1 Gbps TLS/SSL DPI Throughput 750 Mbps 1.4 Gbps 1.9 Gbps 4.2 Gbps 8.4 Gbps 8.4 Gbps Connections per second 13,760 24,360 37,270 75,640 125,000 Maximum connections (SPI) 225,000 1M 1.5M 3M 4M 2.5M 2.5M 2.5M 2.5M 2.5M 2.5M 2.5M 2.5	Application Inspection Throughput	2.3 Gbps	3.4 Gbps	4.1 Gbps	5.5 Gbps	6.4 Gbps
MIX Throughput   1.5 Gbps   2.3 Gbps   2.8 Gbps   4.2 Gbps   5.3 Gbps	IPS Throughput	2.3 Gbps	3.4 Gbps	4.1 Gbps	5.5 Gbps	6.7 Gbps
TLS/SSL DPI Throughput	Anti-Malware Inspection Throughput	900 Mbps	1.6 Gbps	2.2 Gbps	4.0 Gbps	6.6 Gbps
VPN Throughput         750 Mbps         1.4 Gbps         1.9 Gbps         4.2 Gbps         8.4 Gbps           Connections per second         13,760         24,360         37,270         75,640         125,000           Maximum connections (SPI)         225,000         1M         1.5M         3M         4M           Maximum connections (DPI)         125,000         500,000         1.5M         2M         2.5M           TLS/SSL DPI Connections         8,000         12,000         20,000         30,000         50,000           VPN         NSV 200         NSV 300         NSV 400         NSV 800         NSV 1600           Site-to-Site VPN Tunnels         75         100         6000         10,000         25,000           IPSec VPN clients (Maximum)         50(1000)         50(1000)         2000(4000)         2000(6000)         2000(10,000)           SSL VPN NetExtender Clients (Maximum)         2(100)         2(100)         2(100)         2(100)         2(100)         2(100)         2(100)         2(100)         2(100)         2(100)         2(100)         2(100)         2(100)         2(100)         2(100)         2(100)         2(100)         Encryption/authentication         NSV 300         NSV 400         NSV 800         NSV 1600	IMIX Throughput	1.5 Gbps	2.3 Gbps	2.8 Gbps	4.2 Gbps	5.3 Gbps
Connections per second         13,760         24,360         37,270         75,640         125,000           Maximum connections (SPI)         225,000         1M         1.5M         3M         4M           Maximum connections (DPI)         125,000         500,000         1.5M         2M         2.5M           TLS/SSL DPI Connections         8,000         12,000         20,000         30,000         50,000           VPN         NSV 200         NSV 300         NSV 400         NSV 800         NSV 1600           Site-to-Site VPN Tunnels         75         100         6000         10,000         25,000           IPSec VPN clients (Maximum)         50(1000)         50(1000)         2000(4000)         2000(6000)         2000(10,000)           SSL VPN NetExtender Clients (Maximum)         2(100)         NSV 300         NSV 400         NS	TLS/SSL DPI Throughput	1.1 Gbps	1.2 Gbps	1.8 Gbps	3.4 Gbps	5.1 Gbps
Maximum connections (SPI)         225,000         1M         1.5M         3M         4M           Maximum connections (DPI)         125,000         500,000         1.5M         2M         2.5M           TLS/SSL DPI Connections         8,000         12,000         20,000         30,000         50,000           VPN         NSv 200         NSv 300         NSv 400         NSv 800         NSv 1600           Site-to-Site VPN Tunnels         75         100         6000         10,000         25,000           IPSec VPN clients (Maximum)         50(1000)         50(1000)         2000(4000)         2000(6000)         2000(10,000)           SSL VPN NetExtender Clients (Maximum)         2(100)	VPN Throughput	750 Mbps	1.4 Gbps	1.9 Gbps	4.2 Gbps	8.4 Gbps
Maximum connections (DPI)         125,000         500,000         1.5M         2M         2.5M           TLS/SSL DPI Connections         8,000         12,000         20,000         30,000         50,000           VPN         NSv 200         NSv 300         NSv 400         NSv 800         NSv 1600           Site-to-Site VPN Tunnels         75         100         6000         10,000         25,000           IPSec VPN clients (Maximum)         50(1000)         50(1000)         2000(4000)         2000(6000)         2000(10,000)           SSL VPN NetExtender Clients (Maximum)         2(100)	Connections per second	13,760	24,360	37,270	75,640	125,000
TLS/SSL DPI Connections	Maximum connections (SPI)	225,000	1M	1.5M	3M	4M
NSV 200	Maximum connections (DPI)	125,000	500,000	1.5M	2M	2.5M
Site-to-Site VPN Tunnels	TLS/SSL DPI Connections	8,000	12,000	20,000	30,000	50,000
PSec VPN clients (Maximum)   50(1000)   50(1000)   2000(4000)   2000(6000)   2000(10,000)	VPN	NSv 200	NSv 300	NSv 400	NSv 800	NSv 1600
SSL VPN NetExtender Clients (Maximum)  Encryption/authentication  DES, 3DES, AES (128, 192, 256-bit)/MD5, SHA-1, Suite B, Common Access Card (CAC)  Key exchange  Diffie Hellman Groups 1, 2, 5, 14v  Route-based VPN  RIP, OSPF, BGP  Networking  NSV 200  NSV 300  NSV 400  NSV 800  NSV 1600  IP address assignment  Static, DHCP, internal DHCP server, DHCP relay  NAT modes  1:1, many:1, 1:many, flexible NAT (overlapping IPs), PAT  VLAN Interfaces <sup>6</sup> 50  256  500  512  512  Routing protocols  BGP, OSPF, RIPV1/v2, static routes, policy-based routing  QoS  Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1p  Authentication  XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, Terminal Services, Citrix  VolP	Site-to-Site VPN Tunnels	75	100	6000	10,000	25,000
(Maximum)  Encryption/authentication  DES, 3DES, AES (128, 192, 256-bit)/MD5, SHA-1, Suite B, Common Access Card (CAC)  Key exchange  Diffie Hellman Groups 1, 2, 5, 14v  Route-based VPN  RIP, OSPF, BGP  Networking  NSv 200  NSv 300  NSv 400  NSv 800  NSv 1600  IP address assignment  Static, DHCP, internal DHCP server, DHCP relay  NAT modes  1:1, many:1, 1:many, flexible NAT (overlapping IPs), PAT  VLAN Interfaces <sup>6</sup> 50  256  500  512  512  Routing protocols  BGP, OSPF, RIPv1/v2, static routes, policy-based routing  QoS  Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1p  XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, Terminal Services, Citrix  VolP	IPSec VPN clients (Maximum)	50(1000)	50(1000)	2000(4000)	2000(6000)	2000(10,000)
Route-based VPN RIP, OSPF, BGP Networking NSv 200 NSv 300 NSv 400 NSv 800 NSv 1600 N	SSL VPN NetExtender Clients (Maximum)	2(100)	2(100)	2(100)	2(100)	2(100)
Route-based VPN  Networking  NSv 200  NSv 300  NSv 400  NSv 800  NSv 1600  IP address assignment  Static, DHCP, internal DHCP server, DHCP relay  NAT modes  1:1, many:1, 1:many, flexible NAT (overlapping IPs), PAT  VLAN Interfaces <sup>6</sup> 50  256  500  512  512  Routing protocols  BGP, OSPF, RIPv1/v2, static routes, policy-based routing  QoS  Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1p  Authentication  XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, Terminal Services, Citrix  VolP	Encryption/authentication	DES, 3DES	, AES (128, 192, 256	-bit)/MD5, SHA-1, Suite	B, Common Access (	Card (CAC)
Networking  NSv 200  NSv 300  NSv 400  NSv 800  NSv 1600  IP address assignment  Static, DHCP, internal DHCP server, DHCP relay  1:1, many:1, 1:many, flexible NAT (overlapping IPs), PAT  VLAN Interfaces <sup>6</sup> 50  256  500  512  512  Routing protocols  BGP, OSPF, RIPv1/v2, static routes, policy-based routing  QoS  Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1p  Authentication  XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, Terminal Services, Citrix  VolP	Key exchange		Diffie	Hellman Groups 1, 2, 5	5, 14v	
Static, DHCP, internal DHCP server, DHCP relay  NAT modes  1:1, many:1, 1:many, flexible NAT (overlapping IPs), PAT  VLAN Interfaces <sup>6</sup> 50  256  500  512  512  Routing protocols  BGP, OSPF, RIPv1/v2, static routes, policy-based routing  QoS  Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1p  Authentication  XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, Terminal Services, Citrix  VolP  SIP	Route-based VPN			RIP, OSPF, BGP		
NAT modes  1:1, many:1, 1:many, flexible NAT (overlapping IPs), PAT  VLAN Interfaces <sup>6</sup> 50  256  500  512  512  Routing protocols  BGP, OSPF, RIPv1/v2, static routes, policy-based routing  QoS  Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1p  Authentication  XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, Terminal Services, Citrix  VolP  SIP	Networking	NSv 200	NSv 300	NSv 400	NSv 800	NSv 1600
VLAN Interfaces <sup>6</sup> 50 256 500 512  Routing protocols  BGP, OSPF, RIPv1/v2, static routes, policy-based routing  QoS Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1p  XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, Terminal Services, Citrix  VolP SIP	IP address assignment		Static, DHCF	P, internal DHCP server,	DHCP relay	
Routing protocols  BGP, OSPF, RIPv1/v2, static routes, policy-based routing  QoS  Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1p  Authentication  XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, Terminal Services, Citrix  VolP  SIP	NAT modes		1:1, many:1, 1:m	any, flexible NAT (overl	apping IPs), PAT	
QoS Bandwidth priority, max bandwidth, guaranteed bandwidth, DSCP marking, 802.1p  Authentication XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, Terminal Services, Citrix  VolP SIP	VLAN Interfaces <sup>6</sup>	50	256	500	512	512
Authentication XAUTH/RADIUS, Active Directory, SSO, LDAP, Novell, internal user database, Terminal Services, Citrix  VolP SIP	Routing protocols		BGP, OSPF, RIPv	1/v2, static routes, poli	cy-based routing	
VoIP SIP	QoS	Bandwid	th priority, max band	width, guaranteed band	width, DSCP marking	, 802.1p
	Authentication	XAUTH/RADIUS,	Active Directory, SSC	), LDAP, Novell, internal	user database, Termin	nal Services, Citrix
TODIO IONO LITTO LITTO DO LA CALVADAR C	VoIP					
standards TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SNMP, DHCP, LZTP, PPTP. RADIUS	Standards	TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SNMP, DHCP, L2TP, PPTP, RADIUS				, RADIUS

<sup>&</sup>lt;sup>1</sup>Currently supporting SonicOS 6.5.0.
<sup>2</sup>Memory with Jumbo frame disabled.
<sup>3</sup>Memory with Jumbo frame enabled. Additional memory is required for Jumbo frames. Jumbo frames are not supported on Azure and AWS.

<sup>\*</sup>High availability availability

 $Full DPI/Gateway \, \text{AV/Anti-Spyware/IPS} \, throughput \, measured \, using \, industry \, standard \, Spirent \, WebAvalanche \, HTTP \, performance \, test \, and \, Ixia \, test \, tools.$ 

Testing done with multiple flows through multiple port pairs.

VPN throughput measured using UDP traffic at 1418 byte packet size adhering to RFC 2544. All specifications and features are subject to change.

#### Features

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 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 throughpu 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.	
Firewall and networking		
Feature	Description	
REST APIs	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.	
Stateful packet inspection	All network traffic is inspected, analyzed and brought into compliance with firewall access policies.	
High availability¹	The NSv series supports Active/Passive (A/P) with state synchronization.	
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.	
IPv6 support	Internet Protocol version 6 (IPv6) is in its early stages to replace IPv4. With SonicOS, the hardware will support filtering and wire mode implementations.	
Flexible deployment options	The NSv series can be deployed in traditional NAT, Layer 2 bridge, wire and network tap modes.	
WAN load balancing	Load-balances multiple WAN interfaces using Round Robin, Spillover or Percentage methods.	
Advanced quality of service (QoS)	Guarantees critical communications with 802.1p, DSCP tagging, and remapping of VoIP traffic on the network.	
SIP proxy support	Blocks spam calls by requiring that all incoming calls are authorized and authenticated by SIP proxy.	
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 credentials from social networking services 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.	
Management and reporting		
Feature	Description	
Cloud-based and on-premises management	Configuration and management of SonicWall appliances is available via the cloud through the SonicWall Capture Security Center and on-premises using SonicWall Global Management System (GMS).	
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 Scrutinizer or other tools that support IPFIX and NetFlow with extensions.	
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 NSv series to act as a VPN concentrator for thousands of other large sites, branch offices or home offices.	
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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.
Content/context awareness	
Feature	Description
User activity tracking	User identification and activity are made available through seamless AD/LDAP/Citrix1/Terminal Services1 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 DPI filtering	Prevents data leakage by identifying and controlling content crossing the network through regular expression matching. Provides the ability to create custom country and Botnet lists to override an incorrect country or Botnet tag associated with an IP address.

#### Breach prevention subscription services

Capture Advanced Threat Protection	
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)	This patent-pending cloud-based technology detects and blocks malware that does not exhibit any malicious behavior and hides its weaponry via encryption. By forcing malware to reveal its weaponry into memory, the RTDMI engine proactively detects and blocks mass-market, zero-day threats and unknown malware.
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 and size analysis	Supports analysis of a broad range of file types, either individually or as a group, including executable programs (PE), DLL, PDFs, MS Office documents, archives, JAR, and APK plus multiple operating systems including Windows, Android, Mac OS X 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 ATP subscriptions and Gateway Anti-Virus and IPS signature databases and the URL, IP and domain reputation databases within 48 hours.
Capture Client	Capture Client is a unified client platform that delivers multiple endpoint protection capabilities, including advanced malware protection and support for visibility into encrypted traffic. It leverages layered protection technologies, comprehensive reporting and endpoint protection enforcement.
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 in encrypted traffic. Included with security subscriptions for all NSv series models.
SSH inspection	Deep packet inspection of SSH (DPI-SSH) decrypts and inspect data traversing over SSH tunnel to prevent attacks that leverage SSH.
Intrusion prevention	
Feature	Description
Countermeasure-based protection	Tightly integrated intrusion prevention system (IPS) leverages signatures and other countermeasures to scar 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	reboot or service interruption required.  Bolsters internal security by segmenting the network into multiple security zones with intrusion prevention, preventing threats from propagating across the zone boundaries.
Intra-zone IPS protection  Botnet command and control (CnC) detection and blocking	Bolsters internal security by segmenting the network into multiple security zones with intrusion prevention,



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.
Threat prevention	
Feature	Description
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 is capable of scanning raw TCP streams on any port bi-directionally preventing attacks that they to sneak by outdated security systems that focus on securing a few well-known ports.
Extensive protocol support	Identifies common protocols such as HTTP/S, FTP, SMTP, SMBv1/v2 and others, which do not send data in raw TCP, and decodes payloads for malware inspection, even if they do not run on standard, well-known ports.
Application intelligence and control	
Feature	Description
Application control	Control applications, or individual application features, that are identified by the RFDPI engine against a continuously expanding database of over thousands of application signatures, to increase network security and enhance network productivity.
Custom application identification	Control custom applications by creating signatures based on specific parameters or patterns unique to an application in its network communications, in order to gain further control over the network.
Application bandwidth management	Granularly allocate and regulate available bandwidth for critical applications or application categories while inhibiting nonessential application traffic.
Granular control	Control 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	
Feature	Description
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	Extend policy enforcement to block internet content for Windows, Mac OS, Android and Chrome devices located outside the firewall perimeter.
Granular controls	Block content using the predefined categories or 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.
Enforced antivirus and anti-spyware	
Feature	Description
Multi-layered protection	Utilize the firewall capabilities as the first layer of defense at the perimeter, coupled with endpoint protection to block, viruses entering 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	Machine-by-machine deployment and installation of antivirus and anti-spyware clients is automatic across the network, minimizing administrative overhead.
installation option	the network, minimizing administrative overnead.
	Capture Client uses a static artificial intelligence (AI) engine to determine threats before they can execute and roll back to a previous uninfected state.



#### SonicOS feature summary

#### Firewall

- Stateful packet inspection
- Reassembly-Free Deep Packet Inspection
- DDoS attack protection (UDP/ICMP/SYN flood)
- IPv4/IPv6
- Biometric authentication for remote access
- DNS proxy
- REST APIs

# TLS/SSL/SSH decryption and inspection<sup>1</sup>

- Deep packet inspection for TLS/SSL/ SSH
- Inclusion/exclusion of objects, groups or hostnames
- TLS/SSL control
- Granular DPI SSL controls per zone or rule

#### Capture advanced threat protection<sup>1</sup>

- Real-Time Deep Memory Inspection
- Cloud-based multi-engine analysis
- Virtualized sandboxing
- Hypervisor level analysis
- Full system emulation
- Broad file type examination
- Automated and manual submission
- Real-time threat intelligence updates
- Block until verdict
- Capture Client

#### Intrusion prevention<sup>1</sup>

- Signature-based scanning
- Automatic signature updates
- Bi-directional inspection
- Granular IPS rule capability
- GeoIP enforcement
- Botnet filtering with dynamic list
- Regular expression matching

#### Anti-malware<sup>1</sup>

- Stream-based malware scanning
- Gateway anti-virus
- Gateway anti-spyware
- Bi-directional inspection
- No file size limitation
- Cloud malware database

#### Application identification<sup>1</sup>

- Application control
- Application bandwidth management
- Custom application signature creation
- Data leakage prevention
- Application reporting over NetFlow/IPFIX
- Comprehensive application signature database

#### Traffic visualization and analytics

- User activity
- Application/bandwidth/threat usage
- Cloud-based analytics

#### Web content filtering<sup>1</sup>

- URL filtering
- Proxy avoidance
- Keyword blocking
- HTTP header insertion
- Bandwidth manage CFS rating categories
- Unified policy model with app control
- Content Filtering Client

#### **VPN**

- Auto-provision VPN
- IPSec VPN for site-to-site connectivity
- SSL VPN and IPSec client remote access
- Redundant VPN gateway
- Mobile Connect for iOS, Mac OS X, Windows, Chrome, Android and Kindle Fire
- Route-based VPN (OSPF, RIP, BGP)

#### Networking

- PortShield
- Jumbo frames
- Enhanced logging
- VLAN trunking<sup>2</sup>
- RSTP (Rapid Spanning Tree Protocol)
- Layer-2 QoS
- Port security
- Dynamic routing (RIP/OSPF/BGP)
- Policy-based routing (ToS/metric and ECMP)
- NAT
- DNS/DNS proxy
- DHCP server
- Bandwidth management
- A/P high availability with state sync<sup>3</sup>
- Inbound/outbound load balancing
- Wire mode<sup>4</sup>
- Asymmetric routing
- Common Access Card (CAC) support

#### VoIP

- Granular QoS control
- · Bandwidth management
- SIP transformations per access rule
- SIP proxy support

#### Management and monitoring

- Capture Security Center, GMS, Web UI, CLI, REST APIs, SNMPv2/v3
- Logging
- Netflow/IPFix exporting
- Cloud-based configuration backup

#### Storage

- Logs
- Reports
- Firmware backups



<sup>&</sup>lt;sup>1</sup>Requires added subscription

<sup>&</sup>lt;sup>2</sup>VLAN interface not supported on AWS/Azure

<sup>&</sup>lt;sup>3</sup>High availability not supported on AWS/Azure

³High availability not supported on AWS/Az <sup>4</sup>Wire mode not supported on AWS/Azure

#### NSv Series ordering information

Product	ESXi SKU	Hyper-V SKU	Azure SKU	AWS SKU
SonicWall NSv 10 Virtual Appliance TotalSecure Advanced Edition (1-year)	01-SSC-5875	02-SSC-1387	_	
SonicWall NSv 25 Virtual Appliance TotalSecure Advanced Edition (1-year)	01-SSC-5923	02-SSC-1395	_	
SonicWall NSv 50 Virtual Appliance TotalSecure Advanced Edition (1-year)	01-SSC-5926	02-SSC-1399	_	_
SonicWall NSv 100 Virtual Appliance TotalSecure Advanced Edition (1-year)	01-SSC-5929	02-SSC-1405	_	_
SonicWall NSv 200 Virtual Appliance TotalSecure Advanced Edition (1-year)	01-SSC-5950	02-SSC-1412	02-SSC-0868	02-SSC-0906
SonicWall NSv 300 Virtual Appliance TotalSecure Advanced Edition (1-year)	01-SSC-5964	02-SSC-1420	_	
SonicWall NSv 400 Virtual Appliance TotalSecure Advanced Edition (1-year)	01-SSC-6084	02-SSC-1427	02-SSC-0888	02-SSC-0912
SonicWall NSv 800 Virtual Appliance TotalSecure Advanced Edition (1-year)	01-SSC-6101	02-SSC-1429	02-SSC-0889	02-SSC-0914
SonicWall NSv 1600 Virtual Appliance TotalSecure Advanced Edition (1-year)	01-SSC-6109	02-SSC-1436	02-SSC-0895	02-SSC-0921
Product	ESXi SKU	Hyper-V SKU	Azure SKU	AWS SKU
Product SonicWall NSv 10 Virtual Appliance TotalSecure Advanced Edition (3-year)	<b>ESXi SKU</b> 01-SSC-5008	Hyper-V SKU 02-SSC-1386	Azure SKU	AWS SKU
		, , , , , , , , , , , , , , , , , , ,	Azure SKU —	AWS SKU
SonicWall NSv 10 Virtual Appliance TotalSecure Advanced Edition (3-year)	01-SSC-5008	02-SSC-1386	_	AWS SKU
SonicWall NSv 10 Virtual Appliance TotalSecure Advanced Edition (3-year)  SonicWall NSv 25 Virtual Appliance TotalSecure Advanced Edition (3-year)	01-SSC-5008 01-SSC-4830	02-SSC-1386 02-SSC-1397	_ _	AWS SKU
SonicWall NSv 10 Virtual Appliance TotalSecure Advanced Edition (3-year)  SonicWall NSv 25 Virtual Appliance TotalSecure Advanced Edition (3-year)  SonicWall NSv 50 Virtual Appliance TotalSecure Advanced Edition (3-year)	01-SSC-5008 01-SSC-4830 01-SSC-5165	02-SSC-1386 02-SSC-1397 02-SSC-1398	_ _	AWS SKU  02-SSC-0903
SonicWall NSv 10 Virtual Appliance TotalSecure Advanced Edition (3-year)  SonicWall NSv 25 Virtual Appliance TotalSecure Advanced Edition (3-year)  SonicWall NSv 50 Virtual Appliance TotalSecure Advanced Edition (3-year)  SonicWall NSv 100 Virtual Appliance TotalSecure Advanced Edition (3-year)	01-SSC-5008 01-SSC-4830 01-SSC-5165 01-SSC-5161	02-SSC-1386 02-SSC-1397 02-SSC-1398 02-SSC-1404		
SonicWall NSv 10 Virtual Appliance TotalSecure Advanced Edition (3-year)  SonicWall NSv 25 Virtual Appliance TotalSecure Advanced Edition (3-year)  SonicWall NSv 50 Virtual Appliance TotalSecure Advanced Edition (3-year)  SonicWall NSv 100 Virtual Appliance TotalSecure Advanced Edition (3-year)  SonicWall NSv 200 Virtual Appliance TotalSecure Advanced Edition (3-year)	01-SSC-5008 01-SSC-4830 01-SSC-5165 01-SSC-5161 01-SSC-5194	02-SSC-1386 02-SSC-1397 02-SSC-1398 02-SSC-1404 02-SSC-1411		
SonicWall NSv 10 Virtual Appliance TotalSecure Advanced Edition (3-year)  SonicWall NSv 25 Virtual Appliance TotalSecure Advanced Edition (3-year)  SonicWall NSv 50 Virtual Appliance TotalSecure Advanced Edition (3-year)  SonicWall NSv 100 Virtual Appliance TotalSecure Advanced Edition (3-year)  SonicWall NSv 200 Virtual Appliance TotalSecure Advanced Edition (3-year)  SonicWall NSv 300 Virtual Appliance TotalSecure Advanced Edition (3-year)	01-SSC-5008 01-SSC-4830 01-SSC-5165 01-SSC-5161 01-SSC-5194 01-SSC-5189	02-SSC-1386 02-SSC-1397 02-SSC-1398 02-SSC-1404 02-SSC-1411 02-SSC-1419	— — — — 02-SSC-0866	— — — — 02-SSC-0903

<sup>\*</sup>Please consult with your local SonicWall reseller for a complete list of SKUs

#### SonicWall NSv Firewall Promotion

The following NSa/NSsp series firewalls are eligible to receive a one-year license to the corresponding NSv Virtual Appliance TotalSecure Subscription\* at no additional cost.

Corresponding NSv Firewall
NSv 200
NSv 200
NSv 400
NSv 400
NSv 400
NSv 800
NSv 800

<sup>\*</sup>NSv Virtual Appliance TotalSecure Subscription includes NSv virtual firewall, Gateway Anti-Virus, Anti-Spyware, Intrusion Prevention and Application Firewall Service, Content Filtering Premium Service, Capture Security Center and 24x7 Support.

#### **Partner Enabled Services**

Need help to plan, deploy or optimize your SonicWall solution? SonicWall Advanced Services Partners are trained to provide you with world class professional services. Learn more at www.sonicwall.com/PES.

#### About Us

SonicWall has been fighting the cybercriminal industry for over 27 years, defending small, medium-sized businesses and enterprises worldwide. Our combination of products and partners has enabled an automated real-time breach detection and prevention solution tuned to the specific needs of the more than 500,000 organizations in over 215 countries and territories, so you can do more business with less fear. For more information, visit www.sonicwall.com or follow us on Twitter, LinkedIn, Facebook and Instagram.

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