

SonicWall SuperMassive Series

Uncompromising, high-performance, next-generation firewall protection for your enterprise network.

The SonicWall SuperMassive Series is SonicWall's next-generation firewall (NGFW) platform designed for large networks to deliver scalability, reliability and deep security at multi-gigabit speeds with near zero latency.

Built to meet the needs of enterprise, government, education, retail, healthcare and service provider, the SuperMassive Series is ideal for securing distributed enterprise networks, data centers and service providers.

The combination of SonicWall's SonicOS operating system, patented* Reassembly-Free Deep Packet Inspection® (RFDPI) technology and massively multi-core, highly scalable hardware architecture, the SuperMassive E10000 and 9000 Series deliver industry-leading application control, intrusion prevention, malware protection and TLS/SSL decryption and inspection at multi-gigabit speeds. The SuperMassive Series is thoughtfully designed with power, space and cooling (PSC) in mind, providing the leading Gbps/watt NGFW in the industry for high performance packet and data processing, application control and threat prevention.

The SonicWall RFDPI engine scans every byte of every packet across all ports, delivering full content inspection of the entire stream while providing high performance and low latency. This technology is superior to proxy designs that reassemble content using sockets bolted to anti-malware programs, which are plagued with inefficiencies and the overhead of socket memory thrashing, which leads to high latency, low performance and file size limitations. The RFDPI engine delivers full content

inspection to eliminate various forms of malware before they enter the network and provides protection against evolving threats — without file size, performance or latency limitations.

The RFDPI engine also performs full decryption and inspection of TLS/SSL and SSH encrypted traffic as well as non-proxyable applications, enabling complete protection regardless of transport or protocol. It looks deep inside every packets (the header and data part) searching for protocol noncompliance, threats, zero-days, intrusions, and even defined criteria to detect and prevent hidden attacks that leverage cryptography, block encrypted malware downloads, cease the spread of infections, and thwart command and control (C&C) communications and data exfiltration. Inclusion and exclusion rules allow total control to customize which traffic is subject to decryption and inspection based on specific organizational compliance and/or legal requirements.

Application traffic analytics enable the identification of productive and unproductive application traffic in real time, and traffic can then be controlled through powerful application-level policies. Application control can be exercised on both a per-user and pergroup basis, along with schedules and exception lists. All application, intrusion prevention and malware signatures are constantly updated by the SonicWall Threats Research Team. Additionally, SonicOS, an advanced purpose-built operating system, provides integrated tools that allow for custom application identification and control.



SuperMassive E10000 Series



SuperMassive 9000 Series

Benefits:

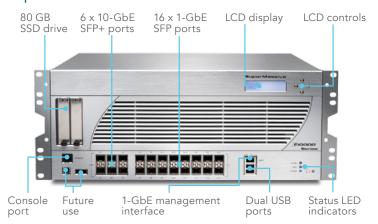
- Gets complete breach prevention including high performance intrusion prevention, low latency malware protection and network sandboxing
- Gains full granular application identification, control and visualization
- Find and blocks hidden threats with decryption and inspection of TLS/SSL and SSH encrypted traffic without performance problems
- Scalable security designed for 10/40 Gbps infrastructures
- Adapts to service-level increases and ensures network services and resources are available and protected

Series lineup

The SonicWall SuperMassive E10000 Series chassis includes 6 x 10-GbE SFP+ and 16 x 1-GbE SFP ports, redundant 850W AC power supplies and hot-swappable, dual-redundant fan modules, and it massively scales up to 96 processing cores. It is also field upgradeable, future-proofing the security infrastructure investment as network bandwidth and security requirements increase.

The SonicWall SuperMassive 9000 Series features 4 x 10-GbE SFP+, up to 12 x 1-GbE SFP, 8 x 1-GbE copper and 1 GbE management interfaces, with an expansion port for an additional 2 x 10-GbE SFP+ interfaces (future release). The 9000 Series features hot-swappable fan modules and power supplies.

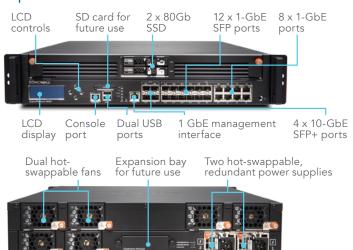
SuperMassive E10000 Series

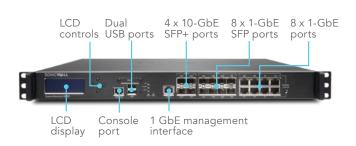




Two hot-swappable, dual-redundant fan modules

SuperMassive 9000 Series







Capability	9200	9400	9600	9800	E10400	E10800
Processing cores	24	32	32	64	48	96
Firewall throughput	15 Gbps	20 Gbps	20 Gbps	40 Gbps	20 Gbps	40 Gbps
Application intelligence throughput	5 Gbps	10 Gbps	11.5 Gbps	24 Gbps	15 Gbps	28 Gbps
Intrusion prevention system (IPS) throughput	5 Gbps	10 Gbps	11.5 Gbps	24 Gbps	15 Gbps	30 Gbps
Anti-malware	3.5 Gbps	4.5 Gbps	5 Gbps	10 Gbps	6 Gbps	12 Gbps
Maximum DPI connections	1.25 M	1.25 M	1.5 M	2.5 M	5 M	10 M
Deployment modes	9200	9400	9600	9800	E10400	E10800
_2 bridge mode	Yes	Yes	Yes	Yes	Yes	Yes
Wire mode	Yes	Yes	Yes	Yes	Yes	Yes
Gateway/NAT mode	Yes	Yes	Yes	Yes	Yes	Yes
「ap mode	Yes	Yes	Yes	Yes	Yes	Yes
Transparent mode	Yes	Yes	Yes	Yes	Yes	Yes

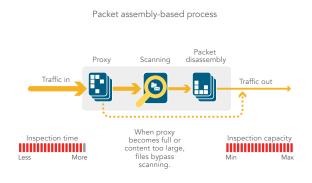


Reassembly-Free Deep Packet Inspection engine

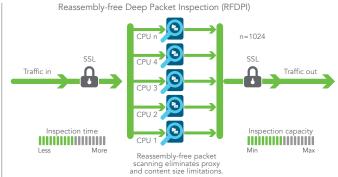
RFDPI is a single-pass, low latency inspection system that performs stream-based, bi-directional traffic analysis at high speed without proxying

or buffering to effectively uncover intrusion attempts, malware and identify application traffic regardless of port and protocol. This proprietary engine relies on streaming traffic payload inspection in order to detect threats at Layers 3-7. The RFDPI engine takes network

streams through extensive and repeated normalization and decryption in order to neutralize advanced obfuscation and evasion techniques that seek to confuse detection engines and sneak malicious code into the network.



Competitive proxy-based architecture



SonicWall stream-based architecture

Once a packet undergoes the necessary pre-processing, including TLS/SSL decryption, it is analyzed against a single proprietary memory representation of multiple signature databases: intrusion attacks, malware, botnet and applications. The connection state

is then advanced to represent the position of the stream relative to these databases until it encounters a state of attack, or other "match" event, at which point a preset action is taken. In most cases, the connection is terminated and proper logging and notification

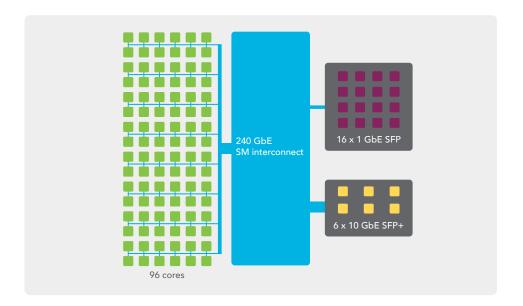
events are created. However, the engine can also be configured for inspection only or, in the case of application detection, to provide Layer 7 bandwidth management services for the remainder of the application stream as soon as the application is identified.



Extensible architecture for extreme scalability and performance

The RFDPI engine is purposely designed with a keen focus on providing security scanning at a high level of performance, to match both the inherently parallel and ever growing nature of network traffic. When combined with 24-, 32-, 48-, 64- or 96-core processor systems, this parallelism-centric software architecture scales up perfectly to address the demands of deep packet inspection (DPI) at high traffic loads. The SuperMassive platform relies on processors that, unlike x86, are optimized for packet, crypto and network processing while retaining flexibility and programmability in the field — a weak point for ASICs systems.

This flexibility is essential when new code and behavior updates are necessary to protect against new attacks that require updated and more sophisticated detection techniques. Another aspect of the platform design is the unique ability to establish new connections on any core in the system, providing ultimate scalability and the ability to deal with traffic spikes. This approach delivers extremely high new session establishment rates (new conn/sec) while deep packet inspection is enabled — a key metric that is often a bottleneck for data center deployments.



Security and protection

The dedicated, in-house SonicWall Threats Research Team works on researching and developing countermeasures to deploy to the firewalls in the field for up-to-date protection. The team leverages more than one million sensors across the globe for malware samples and for telemetry feedback on the latest threat information, which in turn is fed into the intrusion prevention, anti-malware and application detection capabilities.

SonicWall NGFW customers with the latest security capabilities are provided continuously updated threat protection around the clock, with new updates taking effect immediately without

reboots or interruptions. The signatures on the appliances protect against wide classes of attacks, covering up to tens of thousands of individual threats with a single signature.

In addition to the countermeasures on the appliance, SuperMassive firewalls also have access to the SonicWall CloudAV Service, which extends the onboard signature intelligence with more than seventeen million signatures, and growing. This CloudAV database is accessed via a proprietary, lightweight protocol by the firewall to augment the inspection done on the appliance. With Capture Advanced Threat Protection, a cloud-based network sandbox, organizations can examine suspicious

files and code in an isolated environment to stop advanced threats such as zeroday attacks.





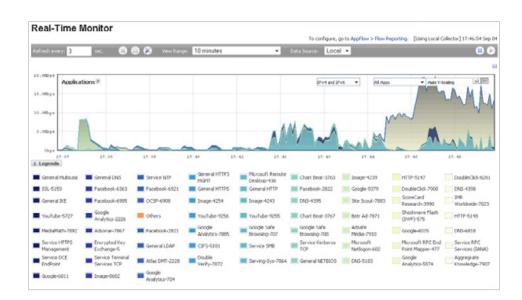
Application intelligence and control

Application intelligence informs administrators of application traffic traversing their network so they can schedule application controls based on business priority, throttle unproductive applications and block potentially dangerous applications. Real-time visualization identifies traffic anomalies as they happen, enabling immediate countermeasures against potential inbound or outbound attacks or performance bottlenecks.

SonicWall Application Traffic Analytics provide granular insight into application traffic, bandwidth utilization and security threats, as well as powerful troubleshooting and forensics capabilities. Additionally, secure single sign-on (SSO) capabilities ease the user experience, increase productivity and reduce support calls. Management of application intelligence and control is simplified by the intuitive webbased interface.

Global management and reporting

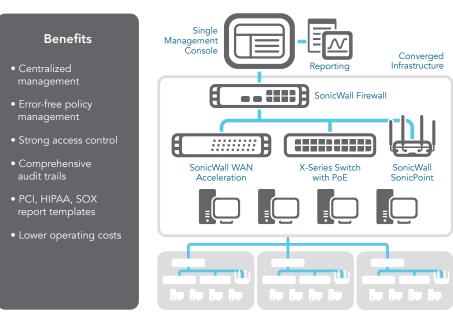
For highly regulated organizations wanting to achieve a fully coordinated security governance, compliance and risk management strategy, the optional SonicWall Global Management System (GMS®) provides administrators a unified, secure and extensible platform to manage SonicWall firewalls, wireless access points and switches through a correlated and auditable workstream process. GMS enables enterprises to easily consolidate the management of security appliances, reduce administrative and troubleshooting complexities, and govern all operational aspects of the security infrastructure, including centralized policy management and enforcement; real-time event monitoring; user activities; application identifications; flow analytics and forensics; compliance and audit reporting; and more. GMS also meets the firewall



change management requirements of enterprises through a workflow automation feature. With GMS workflow automation, all enterprises will gain agility and confidence in deploying the right firewall policies, at the right time and in conformance to compliance regulations. GMS provides a coherent

way to manage network security by business processes and service levels, dramatically simplifying lifecycle management of your overall security environments as compared to managing on a device-by-device basis.

SonicWall GMS Secure Compliance Enforcement



Port Expansion Scalability



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 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.	

Firewall and networking		
Feature	Description	
Threat API	All 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 availability/clustering	The SuperMassive Series supports Active/Passive (A/P) with state synchronization, Active/Active (A/A) DPI and Active/Active clustering high availability modes. Active/Active DPI offloads the deep packet inspection load to cores on the passive appliance to boost throughput.	
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 the latest SonicOS 6.2, the hardware will support filtering and wire mode implementations.	
Flexible deployment options	The SuperMassive 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. 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.	
Integrated Dell X-Series network switch management	Manage security settings of additional ports, including Portshield, HA, POE and POE+, under a single pane of glass using the SuperMassive management dashboard for Dell's X series network switch.	
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.	

Management and reporting		
Feature	Description	
Global Management System	SonicWall GMS monitors, configures and reports on multiple SonicWall appliances through a single management console with an intuitive interface, reducing management costs and complexity.	
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.	



Features

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.	
VPN for site-to-site connectivity	High-performance IPSec VPN allows the SuperMassive Series 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.	

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.	
Regular expression DPI filtering	Prevents data leakage by identifying and controlling content crossing the network through regular expression matching.	

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	
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 OSX 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 GRID Gateway Anti-Virus and IPS signature databases and the URL, IP and domain reputation databases within 48 hours.	
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.	

Encrypted Threat Protection		
Feature	Description	
TLS/SSL decryption and inspection	Decrypts and inspects SSL 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 TLS/SSL encrypted traffic. Included with security subscriptions for all models except SOHO. Sold as a separate license on SOHO.	
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 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 effect immediately, 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 detection and prevention	Identifies and blocks attacks that abuse protocols in an 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.	



Features

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.	
CloudAV malware protection	A continuously updated database of over 17 million 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 websites containing information or images that are objectionable or unproductive with Content Filtering Service.	
Enforced content filtering client	Extend policy enforcement to block internet content for Windows, Mac and Android 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 anti-virus 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 most recent version of anti-virus and anti-spyware signatures installed and active, eliminating the costs commonly associated with desktop anti-virus and anti-spyware 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.		
Always on, automatic virus protection	Frequent anti-virus and anti-spyware updates are delivered transparently to all desktops and file servers to improve end user productivity and decrease security management.		
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.		



Feature summary

Firewall

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

SSL/SSH decryption and inspection²

- Deep packet inspection for TLS/SSL/SSH
- Inclusion/exclusion of objects, groups or hostnames
- SSL Control

Capture advanced threat protection²

- 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
- Auto-block capability

Intrusion prevention²

- Signature-based scanning
- Automatic signature updates
- Bi-directional inspection engine
- Granular IPS rule set
- GeoIP/Botnet filtering
- Regular expression matching

Anti-malware²

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

Application identification²

- Application control
- Application traffic visualization
- Application component blocking
- Application bandwidth management
- Custom application signature creation
- Data leakage prevention
- Application reporting over NetFlow/IPFIX
- User activity tracking (SSO)
- Comprehensive application signature database

Web content filtering²

- URL filtering
- Anti-proxy technology
- Keyword blocking
- Bandwidth management for CFS 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)

Networking

- PortShield
- Jumbo frames
- Path MTU discovery
- Enhanced logging
- VLAN trunking
- Port mirroring
- Layer-2 QoS
- Port security
- Dynamic routing
- SonicPoint wireless controller
- Policy-based routing
- NAT

- DHCP server
- Bandwidth management
- Link aggregation
- Port redundancy
- A/P high availability with state sync
- A/A clustering
- Inbound/outbound load balancing
- L2 bridge, wire mode, tap mode, NAT mode
- 3G/4G WAN failover (not on SuperMassive 9800)
- Asymmetric routing
- Common Access Card (CAC) support

VoIP

- Granular QoS control
- Bandwidth management
- DPI for VoIP traffic
- H.323 gatekeeper and SIP proxy support

Management and monitoring

- Web GUI
- Command-line interface (CLI)
- SNMPv2/v3
- Centralized management and reporting with SonicWall Global Management System (GMS)⁷
- Logging
- Netflow/IPFix exporting
- Single sign-on (SSO)
- Terminal service/Citrix support
- BlueCoat security analytics platform
- Application and bandwidth visualizer
- IPv4 and IPv6 Management
- LCD management screen
- Dell X-Series switch management

IPv6

- IPv6 filtering
- 6rd (rapid deployment)
- DHCP prefix delegation
- Wire mode
- BGP

SONICWALL

Supported on SonicOS 6.1 and 6.2. Not supported on SonicOS 6.2.1.

² Requires added subscription.

SuperMassive E10000 Series system specifications

	E10400	E10800	
Operating system	Son	icOS	
Security processing cores	48	96	
10 GbE interfaces	6 x 10-G	bE SFP+	
1 GbE interfaces	16 x 1-GbE SFP		
Management interfaces		console	
Memory (RAM)	32 GB	64 GB	
Storage		SD, flash	
Firewall inspection throughput	20 Gbps	40 Gbps	
Application inspection throughput	15 Gbps	30 Gbps	
IPS throughput'	15 Gbps	28 Gbps	
Anti-malware inspection throughput ²	6 Gbps	12 Gbps	
IMIX performance	4.3 Gbps	9 Gbps	
SSL-DPI performance	3 Gbps	5 Gbps	
VPN throughput	7.5 Gbps	11 Gbps	
Latency	·	µs	
Connections per second	200,000/sec	400,000/sec	
Maximum connections (SPI)	6 M	12 M	
Maximum connections (SFI)	5 M	10 M	
SSO users	40,000	60,000	
VPN	E10400	E10800	
Site-to-site tunnels		000	
IPSec VPN clients (max)		10,000)	
Encryption Encryption	, ,	(128, 192, 256-bit)	
Authentication		on Access Card (CAC)	
Key exchange		Groups 1, 2, 5, 14	
Route-based VPN		OSPF	
Networking	E10400	E10800	
IP address assignment		P server, DHCP relay	
NAT modes		erlapping IPs), PAT, transparent mode	
VLAN interfaces			
VLAN IIIterraces	1024 2048		
Pouting protocols	BGP OSPE PIPy1/y2 static routo	s policy based routing multicast	
Routing protocols		s, policy-based routing, multicast	
QoS	Bandwidth priority, max bandwidth, guar	anteed bandwidth, DSCP marking, 802.1p	
QoS Authentication	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrix	
QoS Authentication VolP	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323	anteed bandwidth, DSCP marking, 802.1p rell, internal user database, Terminal Services, Citrix r-v1-5, SIP	
QoS Authentication VoIP Standards	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrix -v1-5, SIP IMP, DHCP, PPP0E, L2TP, PPTP, RADIUS, IEEE 802.3	
QoS Authentication VoIP Standards Certifications	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrixv1-5, SIP IMP, DHCP, PPPOE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC	
QoS Authentication VoIP Standards Certifications Third-party verification	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrixv1-5, SIP IMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended	
QoS Authentication VoIP Standards Certifications Third-party verification Hardware	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended E10400	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrix i-v1-5, SIP IMP, DHCP, PPPOE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended E10800	
OoS Authentication VoIP Standards Certifications Third-party verification Hardware Power supply	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended E10400 Dual-redundant, ho	anteed bandwidth, DSCP marking, 802.1p rell, internal user database, Terminal Services, Citrix -v1-5, SIP IMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended E10800 t-swappable, 850 W	
QoS Authentication VoIP Standards Certifications Third-party verification Hardware Power supply Fans	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended E10400 Dual-redundant, ho	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrix -v1-5, SIP IMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended E10800 t-swappable, 850 W , hot-swappable	
QoS Authentication VoIP Standards Certifications Third-party verification Hardware Power supply Fans Display	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended E10400 Dual-redundant, ho Dual-redundant	anteed bandwidth, DSCP marking, 802.1p rell, internal user database, Terminal Services, Citrix r-v1-5, SIP IMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended E10800 t-swappable, 850 W , hot-swappable D display	
QoS Authentication VoIP Standards Certifications Third-party verification Hardware Power supply Fans Display Input power	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended E10400 Dual-redundant, ho Dual-redundant Front LE	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrix -v1-5, SIP IMP, DHCP, PPPOE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended E10800 t-swappable, 850 W , hot-swappable D display C, 60-50 Hz	
QoS Authentication VoIP Standards Certifications Third-party verification Hardware Power supply Fans Display Input power Maximum power consumption (W)	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended E10400 Dual-redundant, ho Dual-redundant Front LE 100-240 VA	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrix i-v1-5, SIP IMP, DHCP, PPPOE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended E10800 t-swappable, 850 W , hot-swappable D display C, 60-50 Hz 750	
QoS Authentication VoIP Standards Certifications Third-party verification Hardware Power supply Fans Display Input power Maximum power consumption (W) MTBF @25°C in hours	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended E10400 Dual-redundant, ho Dual-redundant Front LE 100-240 VA 550	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrix -v1-5, SIP IMP, DHCP, PPPOE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended E10800 t-swappable, 850 W , hot-swappable D display C, 60-50 Hz 750	
QoS Authentication VoIP Standards Certifications Third-party verification Hardware Power supply Fans Display Input power Maximum power consumption (W) MTBF @25°C in hours MTBF @25°C in years	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended E10400 Dual-redundant, ho Dual-redundant Front LE 100-240 VA 550	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrix i-v1-5, SIP IMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended E10800 t-swappable, 850 W , hot-swappable D display C, 60-50 Hz 750	
QoS Authentication VoIP Standards Certifications Third-party verification Hardware Power supply Fans Display Input power Maximum power consumption (W) MTBF @25°C in hours MTBF @25°C in years Form factor	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended E10400 Dual-redundant, ho Dual-redundant Front LE 100-240 VA 550 120 13.	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrixv1-5, SIP IMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended E10800 t-swappable, 850 W , hot-swappable D display C, 60-50 Hz 750 7790 7789 Mountable	
QoS Authentication VoIP Standards Certifications Third-party verification Hardware Power supply Fans Display Input power Maximum power consumption (W) MTBF @25°C in hours MTBF @25°C in years Form factor Dimensions	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended E10400 Dual-redundant, ho Dual-redundant Front LE 100-240 VA 550 120 13. 4U Rack N 17x18x7 in (43	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrix -v1-5, SIP IMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended E10800 t-swappable, 850 W , hot-swappable D display C, 60-50 Hz 750 7790 7789 Mountable x43.5x17.8 cm)	
QoS Authentication VoIP Standards Certifications Third-party verification Hardware Power supply Fans Display Input power Maximum power consumption (W) MTBF @25°C in hours MTBF @25°C in years Form factor Dimensions Weight	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended E10400 Dual-redundant, ho Dual-redundant Front LE 100-240 VA 550 120 13. 4U Rack N 17x18x7 in (43	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrix -v1-5, SIP IMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended E10800 t-swappable, 850 W , hot-swappable D display C, 60-50 Hz 750 7790 789 Mountable x43.5x17.8 cm) 67 lb (30.3 k	
QoS Authentication VoIP Standards Certifications Third-party verification Hardware Power supply Fans Display Input power Maximum power consumption (W) MTBF @25°C in hours MTBF @25°C in years Form factor Dimensions Weight WEEE weight	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended E10400 Dual-redundant, ho Dual-redundant Front LE 100-240 VA 550 120 13. 4U Rack N 17x18x7 in (43 61 lb (27.7 kg) 62 lb (28.1 kg)	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrix i-v1-5, SIP IMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended E10800 t-swappable, 850 W , hot-swappable D display C, 60-50 Hz 750 ,790 789 Mountable x43.5x17.8 cm) 67 lb (30.3 k 68 lb (30.8 kg)	
QoS Authentication VoIP Standards Certifications Third-party verification Hardware Power supply Fans Display Input power Maximum power consumption (W) MTBF @25°C in hours MTBF @25°C in years Form factor Dimensions Weight WEEE weight Shipping weight	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended E10400 Dual-redundant, ho Dual-redundant Front LE 100-240 VA 550 120 13. 4U Rack N 17x18x7 in (43 61 lb (27.7 kg) 62 lb (28.1 kg) 82 lb (37.2 kg)	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrix i-v1-5, SIP IMP, DHCP, PPPOE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended E10800 t-swappable, 850 W , hot-swappable D display C, 60-50 Hz 750 7790 789 Mountable x43.5x17.8 cm) 67 lb (30.3 k 68 lb (30.8 kg) 88 lb (39.9 kg)	
QoS Authentication VoIP Standards Certifications Third-party verification Hardware Power supply Fans Display Input power Maximum power consumption (W) MTBF @25°C in hours MTBF @25°C in years Form factor Dimensions Weight WEEE weight Shipping weight Major regulatory	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended E10400 Dual-redundant, ho Dual-redundant Front LE 100-240 VA 550 120 13. 4U Rack N 17x18x7 in (43 61 lb (27.7 kg) 62 lb (28.1 kg) 82 lb (37.2 kg) FCC Class A, CE, C-Tick, VCCI, Compliance N	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrix i-v1-5, SIP IMP, DHCP, PPPOE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended E10800 t-swappable, 850 W , hot-swappable D display C, 60-50 Hz 750 7790 789 Mountable x43.5x17.8 cm) 67 lb (30.3 k 68 lb (30.8 kg) 88 lb (39.9 kg) MIC, UL, cUL, TUV/GS, CB, NOM, ROHS, WEEE	
QoS Authentication VoIP Standards Certifications Third-party verification Hardware Power supply Fans Display Input power Maximum power consumption (W) MTBF @25°C in hours MTBF @25°C in years Form factor Dimensions Weight WEEE weight Shipping weight	Bandwidth priority, max bandwidth, guar XAUTH/RADIUS, Active Directory, SSO, LDAP, Nov Full H323 TCP/IP, ICMP, HTTP, HTTPS, IPSec, ISAKMP/IKE, SN FIPS 140-2, Common Criteria N NSS NGFW Recommended E10400 Dual-redundant, ho Dual-redundant Front LE 100-240 VA 550 120 13. 4U Rack N 17x18x7 in (43 61 lb (27.7 kg) 62 lb (28.1 kg) 82 lb (37.2 kg) FCC Class A, CE, C-Tick, VCCI, Compliance N 40-105 F, 5	anteed bandwidth, DSCP marking, 802.1p ell, internal user database, Terminal Services, Citrix i-v1-5, SIP IMP, DHCP, PPPoE, L2TP, PPTP, RADIUS, IEEE 802.3 IDPP, IPv6 Phase 2, VPAT, VPNC and NSS IPS Recommended E10800 t-swappable, 850 W , hot-swappable D display C, 60-50 Hz 750 7790 789 Mountable x43.5x17.8 cm) 67 lb (30.3 k 68 lb (30.8 kg) 88 lb (39.9 kg)	



¹ Testing methodologies: Maximum performance based on RFC 2544 (for firewall). Actual performance may vary depending on network conditions and activated services: ² Full DPI/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. ² VPN throughput measured using UDP traffic at 1280 byte packet size adhering to RFC 2544. All specifications, features and availability are subject to change.

SuperMassive 9000 Series system specifications

Firewall General	9200	9400	9600	9800		
perating system	24		icOS			
ecurity processing cores	24	3	32	64		
nterfaces	4x10GbE SFP+, 8x1GbE SFP, 1GbE Management, 1 Console	4x10GbE SFP+, 8x1GbE SFP, 8x1GbE, 1GbE Management, 1 Console	4x10GbE SFP+, 8x1GbE SFP, 8x1GbE, 1GbE Management, 1 Console	4x10GbE SFP+, 12x1GbE SFP, 8x1GbE, 1GbE Management, Console		
1emory (RAM)	8 GB	16 GB	32 GB	64 GB		
torage		Flash		2x 80GB SSD, Flash		
xpansion		1 expansion slot	(rear)*, SD card*			
lanagement		CLI, SSH,	GUI, GMS			
SO users	80,000	90,000	100,000	110,000		
laximum SonicPoints supported		128		-		
ogging		Analyzer, Local Log, Syslog				
Hardware Failover		Active/Passive with State Sync, A	Active/Active DPI with State Sync			
Firewall/VPN Performance	9200	9400	9600	9800		
irewall Inspection Throughput1	15 Gbps	20 Gbps	20 Gbps	40 Gbps		
ull DPI Performance2 (GAV/GAS/IPS)	3 Gbps	4.4 Gbps	4.5 Gbps	10 Gbps		
pplication Inspection Throughput2	5 Gbps	10 Gbps	11.5 Gbps	24 Gbps		
PS Throughput2	5 Gbps	10 Gbps	11.5 Gbps	24 Gbps		
nti-Malware Inspection Throughput1	3.5 Gbps	4.5 Gbps	5.0 Gbps	10 Gbps		
AIX performance	4.4 Gbps	5.5 Gbps	5.5 Gbps	9 Gbps		
SL DPI Performance	1.0 Gbps	2.0 Gbps	2.0 Gbps	5 Gbps		
PN Throughput3	5 Gbps	10 Gbps	11.5 Gbps	18 Gbps		
onnections per second	100,000/sec	130,000/sec	130,000/sec	280,000/sec		
faximum connections (SPI)	1.25M	1.25M	1.5M	3.0M		
Maximum connections (DPI)	1.0M	1.0M	1.25M	2.5M		
SL DPI Connections	8,000	10,000	12,000	48,000		
VPN	9200	9400	9600	9800		
ite-to-Site VPN Tunnels		10,000		25,000		
Sec VPN clients (max)	2,000(4,000)	2,000(6,000)	2,000(1	0,000)		
SL VPN NetExtender Clients (Maximum)	2 (3,000)	2 (3,000)	50 (3,000)	50 (50)		
ncryption/authentication	DE	S, 3DES, AES (128, 192, 256-bit)/MD5, S	SHA-1, Suite B, Common Access Card (C	AC)		
ey exchange		Diffie Hellman G	roups 1, 2, 5, 14v			
Route-based VPN		RIP, C	OSPF			
Networking	9200	9400	9600	9800		
P address assignment		Static, DHCP, PPPoE, L2TP and PPTP cl	lient, internal DHCP server, DHCP relay			
IAT modes		1:1, many:1, 1:many, flexible NAT (over	erlapping IPs), PAT, transparent mode			
/LAN interfaces		5	12			
Routing protocols		BGP, OSPF, RIPv1/v2, static routes, policy-based routing, multicast				
2oS	В	andwidth priority, max bandwidth, guar	anteed bandwidth, DSCP marking, 802.	p		
uthentication	XAUTH/RA	DIUS, Active Directory, SSO, LDAP, Nove	ell, internal user database, Terminal Serv	rices*, Citrix*		
OIP		·	3-v1-5, SIP			
itandards	TCP/IP, ICN		NMP, DHCP, PPPoE, L2TP, PPTP, RADIUS,	IEEE 802.3		
Certifications			VPNC, VPAT, FIPS 140-2', Common Crite			
Certifications pending		· · · · · · · · · · · · · · · · · · ·	nti-Virus			
Hardware	9200	9400	9600	9800		
				Dual-redundant, hot-swappabl		
ower supply		Dual-redundant, hot-swappable, 300 W	1	500 W		
ans		Dual-redundant	, hot-swappable			
Pisplay	Front LED display					
nput power	100-240 VAC, 60-50 Hz					
flaximum power consumption (W)		200		350		
ITBF @25°C in hours	188,719	187,702	186,451	126,144		
1TBF @25°C in years	21.53	21.43	21.28	14.40		
orm factor		1U rack-mountable		2U rack-mountable		
imensions		17x19.1x1.75 in (43.3x48.5x4.5 cm)		17x24x3.5 in (9x60x43 cm)		
	18.1 lb (8.2 kg) 40.5 lb (18.38 kg)			40.5 lb (18.38 kg)		
/eight						
-		23 lb (10.4 kg)				
/EEE weight		23 lb (10.4 kg) 29.3 lb (13.3 kg)		65 lb (29.64 kg)		
VEEE weight hipping weight	FCC Class A, CE (EMC, LVD, RoHS), C	29.3 lb (13.3 kg)	UL, cUL, TUV/GS, CB, Mexico CoC by U	65 lb (29.64 kg)		
Veight VEEE weight hipping weight Major regulatory invironment	FCC Class A, CE (EMC, LVD, RoHS), C	29.3 lb (13.3 kg) C-Tick, VCCI Class A, MSIP/KCC Class A,	UL, cUL, TUV/GS, CB, Mexico CoC by U	65 lb (29.64 kg)		





SuperMassive E10000 Series ordering information

Product	SKU
SuperMassive E10400, 6 SFP+ 10GbE ports, 16 SFP 1GbE ports, dual fans, dual AC power supplies	01-SSC-8881
SuperMassive E10800, 6 SFP+ 10GbE ports, 16 SFP 1GbE ports, dual fans, dual AC power supplies	01-SSC-8856
System upgrades	SKU
SuperMassive E10200 to E10400 upgrade	01-SSC-9497
SuperMassive E10400 to E10800 upgrade	01-SSC-9498
SuperMassive E10400 support and security subscriptions	SKU
hreat Prevention: Intrusion Prevention, Gateway Anti-Virus, Gateway Anti-Spyware, Cloud Anti-Virus for E10400 (1-year)	01-SSC-9536
Application Intelligence and Control: Application Intelligence, Application Control, App Flow Visualization for E10400 (1-year)	01-SSC-9542
Content Filtering Premium Business Edition for E10400 (1-year)	01-SSC-9539
latinum Support for the SuperMassive E10400 (1-year)	01-SSC-9548
Comprehensive Gateway Security Suite: Application Intelligence, Threat Prevention, Content Filtering with Support for E10400 (1-year)	01-SSC-9551
SuperMassive E10800 support and security subscriptions	SKU
Application Intelligence and Control: Application Intelligence, Application Control, App Flow Visualization for E10800 (1-year)	01-SSC-9560
hreat Prevention: Intrusion Prevention, Gateway Anti-Virus, Gateway Anti-Spyware, Cloud Anti-Virus for E10800 (1-year)	01-SSC-9554
Content Filtering Premium Business Edition for E10800 (1-year)	
latinum Support for the SuperMassive E10800 (1-year)	01-SSC-9566
Comprehensive Gateway Security Suite: Application Intelligence, Threat Prevention, Content Filtering with Support for E10800 (1-year)	01-SSC-9569
Modules and accessories*	SKU
uperMassive E10000 Series system fan field replaceable unit (FRU)	01-SSC-8885
uperMassive E10000 Series SSD fan module	01-SSC-8886
uperMassive E10000 Series power supply FRU	01-SSC-8887
OGBASE-SR SFP+ Short Reach Module	01-SSC-9785
OGBASE-LR SFP+ Long Reach Module	01-SSC-9786
OGBASE SFP+ 1M Twinax Cable	01-SSC-9787
0GBASE SFP+ 3M Twinax Cable	01-SSC-9788
000BASE-SX SFP Short Haul Module	01-SSC-9789
000BASE-LX SFP Long Haul Module	01-SSC-9790
000BASE-T SFP Copper Module	01-SSC-9791
Management and reporting	SKU
onicWall GMS 10-node software license	01-SSC-3363
onicWall GMS E-Class 24x7 Software Support for 10 nodes (1-year)	01-SSC-6514
SonicWall Scrutinizer virtual appliance with Flow Analytics Module software license for up to 5 nodes (includes one year of 24x7 Software Support)	
onicWall Scrutinizer with Flow Analytics Module software license for up to 5 nodes (includes one year of 24x7 Software Support)	01-SSC-4002
onicWall Scrutinizer Advanced Reporting Module software license for up to 5 nodes (includes one year of 24x7 Software Support)	01-SSC-3773



SuperMassive 9000 Series ordering information

Product	SKU	
SuperMassive 9800	01-SSC-0200	
SuperMassive 9800 High Availability	01-SSC-0801	
SuperMassive 9600	01-SSC-3880	
SuperMassive 9600 High Availability	01-SSC-3881	
SuperMassive 9400	01-SSC-3800	
iuperMassive 9400 High Availability	01-SSC-3801	
SuperMassive 9200	01-SSC-3810	
SuperMassive 9200 High Availability	01-SSC-3811	
SuperMassive 9200 support and security subscriptions	SKU	
Advanced Gateway Security Suite – Capture ATP, Threat Prevention, Content Filtering and 24x7 Support for SuperMassive 9200 (1-year)	01-SSC-1570	
Capture Advanced Threat Protection for SuperMassive 9200 (1-year)	01-SSC-1575	
Comprehensive Gateway Security Suite: Application Intelligence, Threat Prevention, Content Filtering with Support for 9200 (1-year)	01-SSC-4172	
ntrusion Prevention, Anti-Malware, CloudAV, Application Intelligence, Control and Visualization for SuperMassive 9200 (1-year)	01-SSC-4202	
Content Filtering Premium Business Edition for 9200 (1-year)	01-SSC-4184	
latinum Support for the SuperMassive 9200 (1-year)	01-SSC-4178	
SuperMassive 9400 support and security subscriptions	SKU	
dvanced Gateway Security Suite – Capture ATP, Threat Prevention, Content Filtering and 24x7 Support for SuperMassive 9400 (1-year)	01-SSC-1580	
apture Advanced Threat Protection for SuperMassive 9400 (1-year)	01-SSC-1585	
iomprehensive Gateway Security Suite: Application Intelligence, Threat Prevention, Content Filtering with Support for 9400 (1-year)	01-SSC-4136	
ntrusion Prevention, Anti-Malware, CloudAV, Application Intelligence, Control and Visualization for SuperMassive 9400 (1-year)	01-SSC-4166	
Content Filtering Premium Business Edition for 9400 (1-year)	01-SSC-4148	
latinum Support for the SuperMassive 9400 (1-year)	01-SSC-4142	
SuperMassive 9600 support and security subscriptions	SKU	
dvanced Gateway Security Suite – Capture ATP, Threat Prevention, Content Filtering and 24x7 Support for SuperMassive 9600 (1-year)	01-SSC-1590	
Capture Advanced Threat Protection for SuperMassive 9600 (1-year)	01-SSC-1595	
Comprehensive Gateway Security Suite: Application Intelligence, Threat Prevention, Content Filtering with Support for 9600 (1-year)	01-SSC-4100	
ntrusion Prevention, Anti-Malware, CloudAV, Application Intelligence, Control and Visualization for SuperMassive 9600 (1-year)	01-SSC-4130	
Content Filtering Premium Business Edition for 9600 (1-year)	01-SSC-4112	
Platinum Support for the SuperMassive 9600 (1-year)	01-SSC-4106	
SuperMassive 9800 support and security subscriptions	SKU	
Comprehensive Gateway Security Suite: Application Intelligence, Threat Prevention, Content Filtering with Support for 9800 (1-year)	01-SSC-0809	
ntrusion Prevention, Anti-Malware, CloudAV, Application Intelligence, Control and Visualization for SuperMassive 9800 (1-year)	01-SSC-0827	
Content Filtering Premium Business Edition for 9800 (1-year)	01-SSC-0821	
Gold 24x7 Support for the SuperMassive 9800 (1-year)	01-SSC-0815	
Modules and accessories*	SKU	
ionicWall SuperMassive 9800 Series system fan FRU	01-SSC-0204	
onicWall SuperMassive 9800 Series power supply AC FRU	01-SSC-0203	
onicWall SuperMassive 9000 Series system fan FRU	01-SSC-3876	
onicWall SuperMassive 9000 Series power supply AC FRU	01-SSC-3874	
OGBASE-SR SFP+ Short Reach Module	01-SSC-9785	
OGBASE-LR SFP+ Long Reach Module	01-SSC-9786	
000BASE-SX SFP Short Haul Module	01-SSC-9789	
000BASE-LX SFP Long Haul Module	01-SSC-9790	
000BASE-T SFP Copper Module	01-SSC-9791	
Management and reporting	SKU	
onicWall GMS 10-node software license	01-SSC-3363	
ionicWall GMS E-Class 24x7 Software Support for 10 nodes (1-year)	01-SSC-6514	
onicWall Scrutinizer virtual appliance with Flow Analytics Module software license for up to 5 nodes (includes one year of 24x7 Software Support)		
SonicWall Scrutinizer virtual appliance with Flow Analytics Module software license for up to 5 nodes (includes one year of 24x7 Software Support) SonicWall Scrutinizer with Flow Analytics Module software license for up to 5 nodes (includes one year of 24x7 Software Support)	01-SSC-3443 01-SSC-4002	



About Us

Over a 25 year history, SonicWall has been the industry's trusted security partner. From network security to access security to email security, SonicWall has continuously evolved its product portfolio, enabling organizations to innovate, accelerate and grow. With over a million security devices in almost 200 countries and territories worldwide, SonicWall enables its customers to confidently say yes to the future.