Security

Secure Mobile Access 100 Series

Enable mobile and remote worker productivity while protecting your organization from threats

The Dell SonicWALL Secure Mobile Access (SMA) 100 Series provides mobile and remote workers using smartphones, tablets or laptops — whether managed or unmanaged BYOD — with fast, easy, policy-enforced access to mission-critical applications, data and resources, without compromising security.

For mobile devices, the solution includes the intuitive Dell SonicWALL Mobile Connect app that provides iOS, Android, Kindle Fire, Windows, Chrome and Mac OS X devices secure access to allowed network resources, including shared folders, client/server applications, intranet sites and email.

Users and IT administrators can download the Mobile Connect app via the Apple App Store, Google Play, Kindle and Microsoft store. The solution also supports clientless, secure browser access, including support for industry standard HTML 5 browsers and thin-client VPN access for PCs and laptops, including Windows, Mac OS X and Linux computers.

To protect from rogue access and malware, the SMA 100 Series appliance connects only authorized users and trusted devices to permitted resources. When integrated with a Dell SonicWALL next-generation firewall as a Clean VPN, the combined solution delivers centralized access control, malware protection, application control and content filtering. The multi-layered protection of Clean VPN decrypts and decontaminates all authorized SSL VPN traffic before it enters the network environment.

Why you need SMA

The proliferation of mobile devices in the workplace has increased the demand for secure access to mission-critical applications, data and resources. Granting that access offers important productivity benefits to the organization, but introduces significant risks as well.

For example, an unauthorized person might access company resources using a lost or stolen device; an employee's mobile device might act as a conduit to infect the network with malware; or corporate data might be intercepted over third-party wireless networks. Also, loss of business data stored on devices can occur if rogue personal apps or unauthorized users gain access to that data.

Securing these devices is becoming increasingly difficult, as organizations may no longer influence device selection or control device management. Organizations must implement solutions that safeguard access to ensure only authorized users and devices that meet security policy are granted network access, and that company data in-flight and at rest on the device are secure. Unfortunately, this often involves complex multi-box solutions from multiple vendors and adds significantly to the total cost of ownership behind providing mobile access. Organizations are looking for easy-to-use, cost-effective and secure mobile access solutions that address the needs of their increasingly mobile workforces.

Benefits:

- Single access gateway to all network resources, via mobile app, clientless or web-delivered clients, works to lower IT overhead and TCO
- Common user experience across all operating systems facilitates ease of use from any endpoint
- Mobile Connect app for iOS, Android, Windows, Chrome and Mac OS X offers mobile device ease of use
- Context aware authentication ensures only authorized users and trusted mobile devices are granted access
- One-click secure intranet file browse and on-device data protection
- Adaptive addressing and routing deploys appropriate access methods and security levels
- Setup wizard makes deployment easy
- Efficient object-based policy management of all users, groups, resources and devices
- Web Application Firewall enables PCI compliance

Fast, easy, policy-enforced access to mission-critical applications, data and resources, without compromising security.

Features

Single access gateway for mobile app, clientless or web-delivered clients — SMA 100 Series lowers IT costs by enabling network managers to easily deploy and manage a single secure access gateway that extends remote access via SSL VPN for both internal and external users to all network resources — including web-based, client/server, host-based (such as virtual desktop) and back-connect applications (such as VoIP). SMAs are either clientless with browser access to the customizable SMA Workplace portal or use mobile apps or lightweight web-delivered clients, reducing management overhead and support calls.

Common user experience across all operating systems — SMA technology provides transparent access to network resources from any network environment or device. A SMA appliance provides a single gateway for smartphone, tablet, laptop and desktop access and a common user experience across all operating systems — including Windows, Mac OS X, iOS, Android, Kindle, Chrome and Linux — from managed or unmanaged devices.

Mobile Connect app — Mobile Connect app for iOS, Mac OS X, Android, Kindle, Chrome and Windows mobile devices provides users with easy, network-level access to corporate and academic resources over encrypted SSL VPN connections. Mobile Connect is easily downloadable from the Apple App Store, Google Play, Microsoft or Kindle store and embedded with Windows 8.1 devices.

Context awareness — Access to the corporate network is granted only after the user has been authenticated and mobile device integrity has been verified.

Protects data at rest on mobile devices — Authenticated users can securely browse and view allowed intranet file shares and files from within the Mobile Connect app. Administrators can establish and enforce mobile application management policy.

Adaptive addressing and routing — Dynamically adapts to networks, eliminating conflicts common with other solutions.

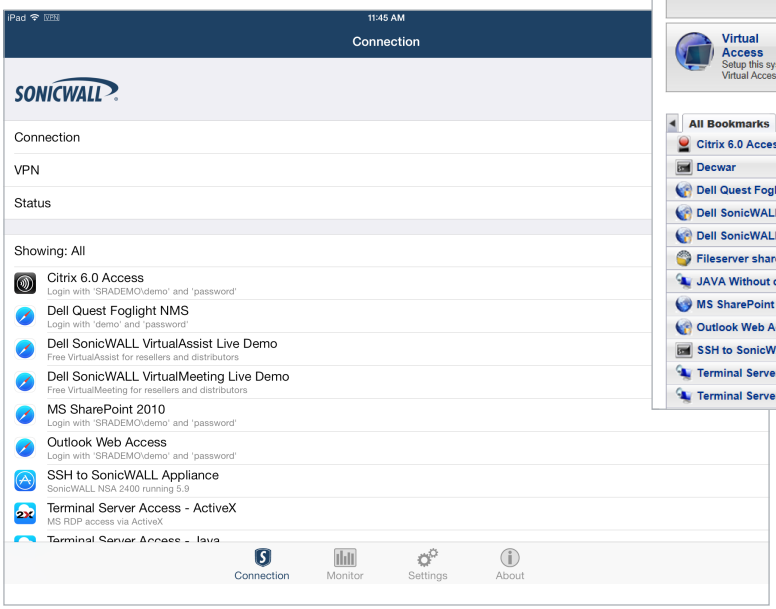
Setup wizard — All SMAs are easy to set up and deploy in just minutes. The setup wizard provides an easy, intuitive "out-of-the-box" experience with rapid installation and deployment.

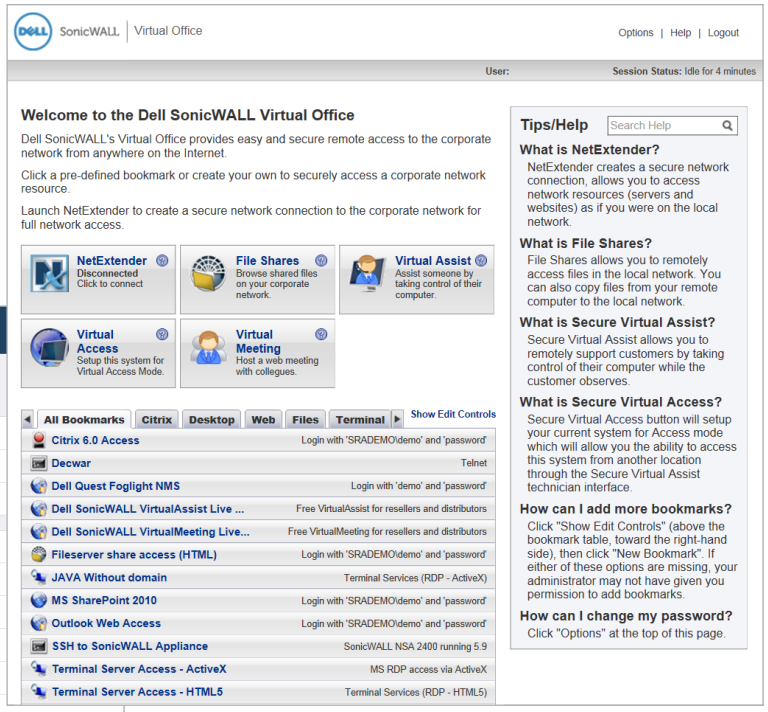
Unified policy — SMA unified policy offers easy, object-based policy management of all users, groups, resources and devices while enforcing granular control based on both user authentication and endpoint interrogation.

Dell SonicWALL SMA 100 Series – anytime, anywhere access

Simple, secure mobile access to resources

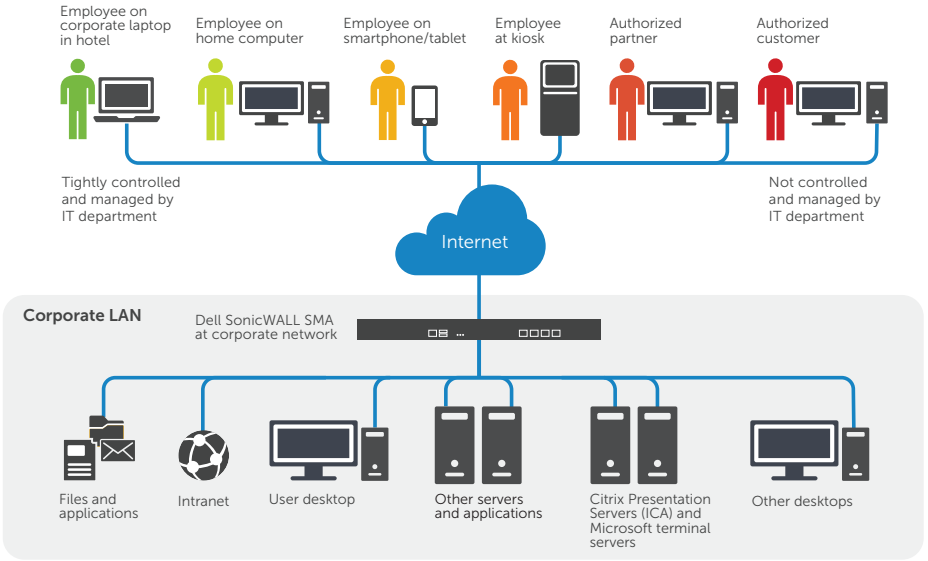
The SMA 100 Series can be used to provide Windows, Mac OS X, iOS, Linux, Android, Chrome and Kindle users with access to a broad range of resources.

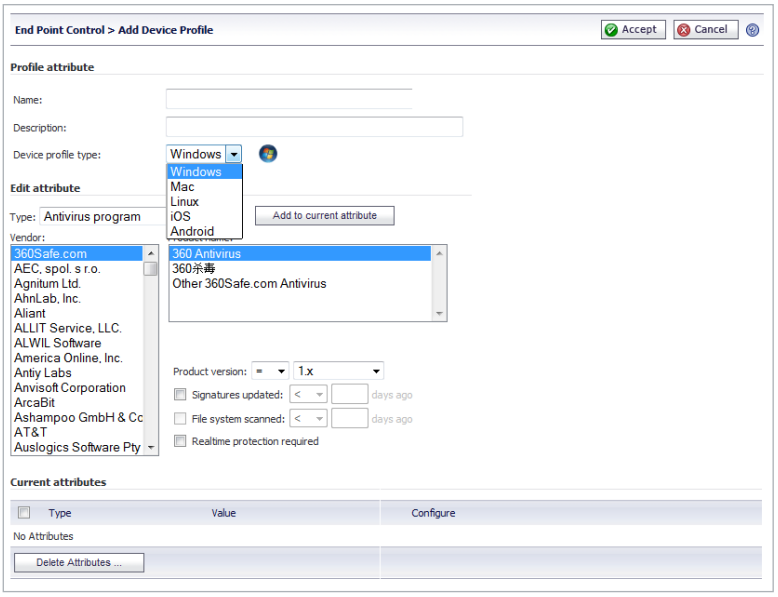




Granular access to authorized users

The SMA 100 Series extends secure mobile and remote access beyond managed employees to unmanaged mobile and remote employees, partners and customers by employing policy-enforced fine-grained access controls.





Easy-to-use, cost-effective and secure mobile access that addresses the needs of your increasingly mobile workforce.

Context-aware authentication

Best-in-class, context-aware authentication grants access only to trusted devices and authorized users. Mobile devices are interrogated for essential security information such as jailbreak or root status, device ID, certificate status and OS versions prior to granting access. Laptops and PCs are also interrogated for the presence or absence of security software, client certificates, and device ID. Devices that do not meet policy requirements are not allowed network access and the user is notified of non-compliance.

Protection of data at rest on mobile devices

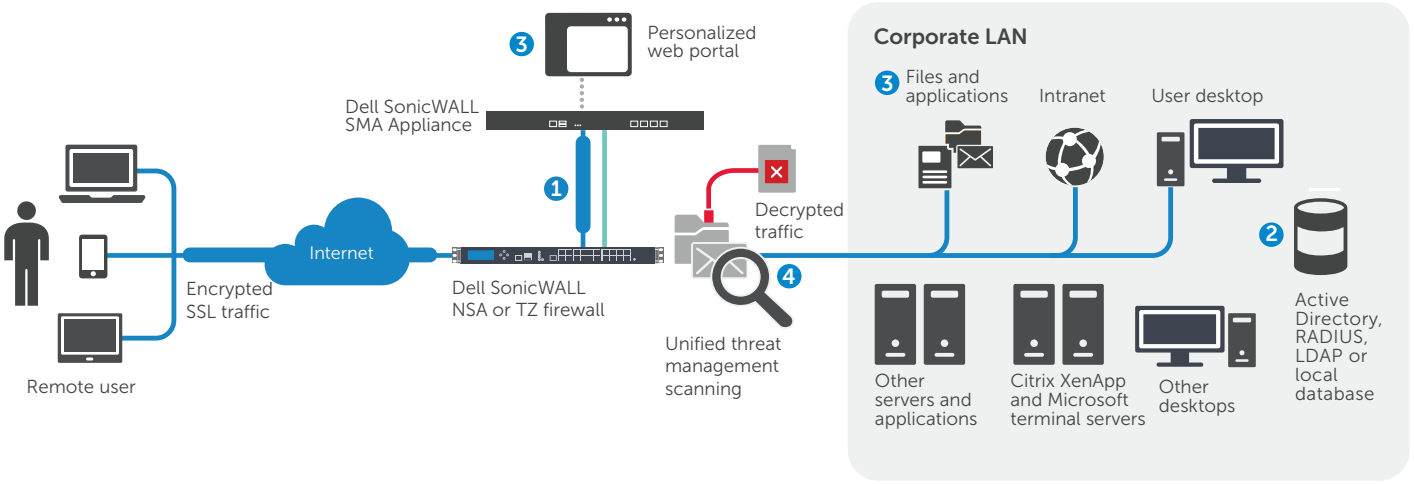
Authenticated Mobile Connect users can securely browse and view allowed intranet file shares and files from within the Mobile Connect app. Administrators can establish and enforce mobile application management policy for the Mobile Connect app to control whether files viewed can be opened in other apps (iOS 7 and newer), copied to the clipboard, printed or cached securely within the Mobile Connect app. For iOS 7 and newer, this allows administrators to isolate business data from personal data stored on the device and reduces the risk of data loss. In addition, if the user's credentials are revoked, content stored in the Mobile Connect app is locked and can no longer be accessed or viewed.

Clean VPN

When deployed with a Dell SonicWALL next-generation firewall, Mobile Connect establishes a Clean VPN, an extra layer of protection that decrypts and scans all SSL VPN traffic for malware before it enters the network.

Web Application Firewall and PCI compliance

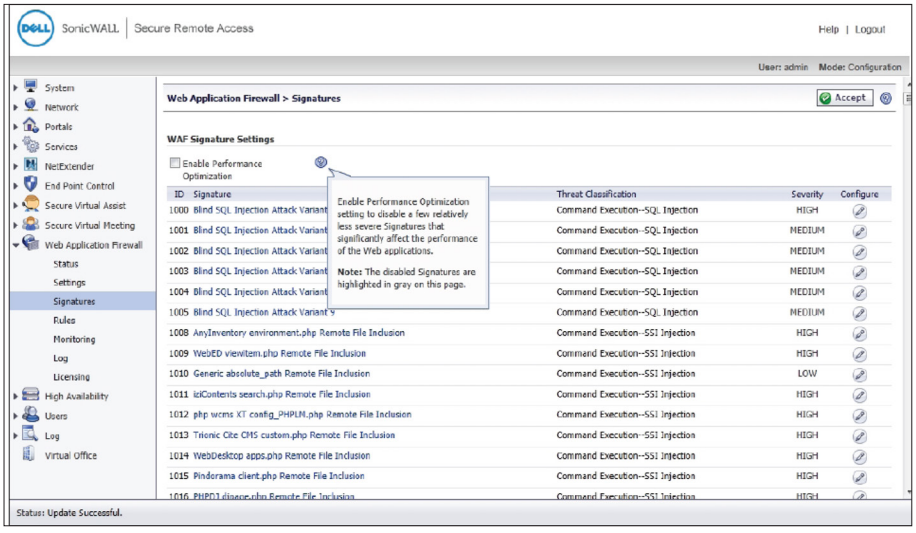
The Dell SonicWALL Web Application Firewall Service offers businesses a complete, affordable, well integrated compliance solution for web-based applications that is easy to manage and deploy. It supports OWASP Top Ten and PCI DSS compliance, providing protection against injection and cross-site scripting attacks (XSS), credit card and Social Security number theft, cookie tampering and cross-site request forgery (CSRF). Dynamic signature updates and custom rules protect against known and unknown vulnerabilities. Web Application Firewall can detect sophisticated web-based attacks and protect web applications (including SSL VPN portals), deny access upon detecting web application malware, and redirect users to an explanatory error page. It provides an easy-to-deploy offering with advanced statistics and reporting options for meeting compliance mandates.



1. Incoming traffic is seamlessly forwarded by the Dell SonicWALL NSA or TZ Series firewall to the Dell SonicWALL SMA appliance, which decrypts and authenticates network traffic.
2. Users are authenticated using the onboard database or through third-party authentication methods such as LDAP, Active Directory, Radius, Dell Defender and other two-factor authentication solutions.
3. A personalized web portal provides access to only those resources that the user is authorized to view based on company policies.
4. To create a Clean VPN environment, traffic is passed through to the NSA or TZ Series firewall (running gateway anti-virus, anti-spyware, intrusion prevention, and application intelligence and control), where it is fully inspected for viruses, worms, Trojans, spyware and other sophisticated threats.

Simple to manage

SMA 100 Series solutions feature unified policy and an intuitive web-based management interface that offers context-sensitive help to enhance usability. In addition, multiple products can be centrally managed using the Dell SonicWALL Global Management System (GMS 4.0+). Resource access via the products can be effortlessly monitored using the Dell SonicWALL Analyzer reporting tool.



Specifications

Dell SonicWALL SMA Series

Performance			
	SMA 200	**SMA 400**	**SMA 100 Series Virtual Appliance**
	Recommended for organizations with 50 or fewer employees	Recommended for organizations with 250 or fewer employees	Recommended for organizations of any size
Concurrent user license	Starts with 5 concurrent users. Additional user licenses available in 5 and 10 user increments	Starts with 25 users. Additional user licences are available in 10, 25 and 100 user increments	User licenses available in 5, 10, and 25 user increments
User capacity[1]	5-included/50-licensable/ 25-recommended	25-included/250-licensable/ 100-recommended	5-included/50-licensable
Secure Virtual Assist technicians	30-day trial-included/10-concurrent technicians maximum	30-day trial-included/25-concurrent technicians maximum	30-day trial-included/25-concurrent technicians maximum
Maximum allowable Meeting participants	—	75	75
Unified policy	Yes. Also supports policies which have multiple AD groups		
Logging	Detailed logging in an easy-to-read format, Syslog supported email alerts		
Single-arm mode	Yes	Yes	Yes
Dell SonicWALL Secure Virtual Assist or Secure Virtual Access (licensed together)	Connection to remote PC, chat, FTP, session recording and diagnostic tools		
Secure Virtual Meeting[2]	Instantly brings meeting participants together securely and cost-effectively		
IPv6 support	Basic	Basic	Basic
Load balancing	HTTP/HTTPS load balancing with failover. Mechanisms include weighted requests, weighted traffic, least requests		
High Availability	—	Yes	Yes
Application offloading	Yes	Yes	Yes
Web Application Firewall	Yes	Yes	Yes
End Point Control (EPC)	Yes	Yes	Yes
Geolocation-based policies[4]	Yes	Yes	Yes
Botnet filtering[4]	Yes	Yes	Yes
Key features			
Applications supported[3]	• **Web portal access**: Supports HTML5, proxy and application offloading • **Web services:** HTTP, HTTPS, FTP, SSH, Telnet, VNC, Windows® file sharing (Windows SMB/CIFS), OWA 2003/2007/2010 • **Virtual Desktop Infrastructure (VDI):** Citrix (ICA), RDP • **Mobile Connect and NetExtender:** Any TCP/IP based application: ICMP, VoIP, IMAP, POP, SMTP, etc.		
Encryption	ARC4 (128), MD5, SHA-1, SHA-256, SHA-384, SSLv3, TLSv1, TLS 1.1, TLS 1.2, 3DES (168, 256), AES (256), RSA, DHE		
Authentication	Dell Quest Defender, other two-factor authentication solutions, One-time Passwords, Internal user database, RADIUS, LDAP, Microsoft Active Directory and Single Sign On (SSO) for most web based apps, RDP and VNC[3]		
Multiple domain support	Yes		
Multiple portal support	Yes		
Fine grain access control	At the user, user group and network resource level		
Session security	Inactivity timeouts prevent unauthorized use of inactive sessions		
Certificates	• **Server:** Self-signed with editable common name and imported from third parties • **Client:** Optional client certificates supported		
Cache cleaner	Configurable. Upon logout all cached downloads, cookies and URLs downloaded through the SSL tunnel are erased from the remote computer		
Client support[3]	• **Web portal access**: Internet Explorer, Mozilla, Chrome, Opera, and Safari browsers • **NetExtender:** Windows 2003, 2008, XP/Vista (32-bit and 64-bit), 7 (32-bit and 64-bit), 8 (32-bit and 64-bit), Mac OS X 10.4+, Linux Fedora Core 3+ / Ubuntu 7+ / OpenSUSE, Linux 64-bit • **Mobile Connect:** iOS 4.2 and higher, OS X 10.9 and higher, Android 4.0 and higher, Chrome 43 and higher, Kindle Fire running Android 4.0 and higher and Windows 8.1		
Personalized portal	The remote user sees only those resources that the administrator has granted access to based on company policy		
Management	Web GUI (HTTP, HTTPS), Send syslog and heartbeat messages to GMS (4.0 and higher) SNMP Support		
Usage monitoring	Graphical monitoring of memory, CPU, users and bandwidth usage		

[1]The recommended number of users supported is based on factors such as access mechanisms, applications accessed and application traffic being sent.
[2]Available in conjunction with Secure Virtual Assist for SMA 400 and SRA Virtual Appliances only.
[3]Refer to the latest SMA 100 Series release notes and admin guide for supported configurations.
[4]Botnet filtering and Geolocation-based policies require an active support contract to be in place on the hardware or virtual appliance.

Dell SonicWALL SMA 100 Series

Hardware		
	SMA 200	SMA 400
Hardened security appliance	Yes	Yes
Interfaces	(2) GB Ethernet, (2) USB, (1) console	(4) GB Ethernet, (2) USB, (1) console
Processors	x86 main processor	x86 main processor
Memory (RAM)	2 GB	4 GB
Flash memory	2 GB	2 GB
Power supply/input	Internal, 100-240VAC, 50-60MHz	Internal, 100-240VAC, 50-60MHz
Max power consumption	26.9 W	31.9 W
Total heat dissipation	92 BTU	109 BTU
Dimensions	16.92 x 10.23 x 1.75 in 43x26x4.5cm	16.92 x 10.23 x 1.75 in 43x26x4.5cm
Appliance weight	11 lbs 5 kg	11 lbs 5 kgs
WEEE weight	11 lbs 5.3 kg	11 lbs 5.3 kgs
Major regulatory compliance	FCC Class A, ICES Class A, CE, RCM, VCCI Class A, ANATEL, BSMI, UL, cUL, UL Mexico CoC, TUV/GS, CB, MSIP Class A	
Regulatory Model	1RK33-0BB	1RK33-0BC
Environment	32-105˚ F, 0-40˚ C Humidity 5-95% RH, non-condensing	
MTBF	7.06 years	6.87 years
	SRA Virtual Appliance	
SMA 100 Series virtual appliance virtualized environment requirements (Minimum)	Hypervisor: VMWare ESXi and ESX (version 4.0 and newer) Appliance size (on disk): 2 GB Allocated memory: 2 GB	

SMA 200, 5 user..... **01-SCC-2231**

SMA 200 additional users (50 user maximum)
Add 5 Concurrent users..... **01-SSC-2232**
Add 10 Concurrent users..... **01-SSC-2233**

SMA 200 support
Dell SonicWALL Dynamic Support
24x7 for up to 25 Users (1-year)..... **01-SSC-2234**

SMA 400, 25 user **01-SSC-2243**

SMA 400 additional users (500 user maximum)
Add 10 Concurrent Users..... **01-SSC-2244**
Add 25 Concurrent Users..... **01-SSC-2245**
Add 100 Concurrent Users..... **01-SSC-2246**

SMA 400 Support

Dell SonicWALL Dynamic Support
24x7 for up to 100 Users (1-year)..... **01-SSC-2247**

Dell SonicWALL Dynamic Support
24x7 for 101 to 250 users (1-year)..... **01-SSC-2248**

Dell SonicWALL SMA 100 Series Virtual Appliance 5 User..... **01-SSC-8469**

SMA 100 Series virtual appliance additional users (50 user maximum)
Add 5 concurrent users..... **01-SSC-9182**
Add 10 concurrent users..... **01-SSC-9183**
Add 25 concurrent users..... **01-SSC-9184**

SMA 100 Series Virtual Appliance support
Dell SonicWALL Dynamic Support
8x5 for up to 25 users (1-year)..... **01-SSC-9188**

Dell SonicWALL Dynamic Support
24x7 for up to 25 users (1-year)..... **01-SSC-9191**

Dell SonicWALL Dynamic Support
8x5 for up to 50 users (1-year)..... **01-SSC-9194**

Dell SonicWALL Dynamic Support
24x7 for up to 50 users (1-year)..... **01-SSC-9197**

For more information on Dell SonicWALL Secure Mobile Access solutions, visit www.sonicwall.com.

About Dell Security

Dell Security solutions help you create and maintain a strong security foundation with interconnected solutions that span the enterprise. From endpoints and users to networks, data and identity, Dell Security solutions mitigate risk and reduce complexity so you can drive your business forward. www.dell.com/security

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If you are located outside North America, you can find local office information on our web site.

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