Email Security appliances and software

Email is crucial for your business communication, but it can also expose your business to sabotage and productivity drains if email-based threats such as spam, phishing, spoofing, viruses and zombies flood your mail servers and user inboxes. What’s more, government regulations now hold your business accountable for protecting confidential data and ensuring it is not leaked and that email containing sensitive customer data or confidential information is securely exchanged. Whether your organization is a growing small- to medium-sized business (SMB), a large, distributed enterprise or a managed service provider (MSP), you need a cost-effective way to deploy email security and encryption for your IT infrastructure, and the scalability to easily grow capacity for—and delegate management across—organizational units and domains.

Dell SonicWALL Email Security appliances and software provide superior email protection from inbound and outbound email threats and compliance violations by scanning all inbound and outbound email content and attachments for sensitive data, delivering real-time protection from spam, phishing, viruses, spoofing, zombies, directory harvest (DHA), Denial of Service (DoS) and other attacks. The solution leverages multiple, patented Dell SonicWALL threat detection techniques and a unique, worldwide attack identification and monitoring network. In addition, it prevents confidential data leaks and regulatory violations with advanced compliance scanning and management, including integrated email encryption cloud service to ensure secure exchange of sensitive data.

Dell SonicWALL Email Security is a flexible solution that deploys as a scalable hardware appliance, virtual appliance or software optimized for Microsoft Windows Server, and it scales easily to protect 10 to 100,000 mailboxes. Large enterprises can configure the solution for high availability and split mode to centrally and reliably manage large-scale deployments.

Administration of the Email Security solution is intuitive, quick and simple. You can safely delegate spam management to end users, while still retaining ultimate control over security enforcement. You can also easily manage user and group accounts with seamless multi-LDAP synchronization. For large, distributed environments, multi-tenancy support lets you delegate sub-administrators to manage settings at multiple organizational units (such as enterprise divisions or MSP customers) within a single Email Security deployment.

Benefits:
- Advanced analysis techniques to stop spam, phishing, spoofing, zombie and virus attacks
- 24/7 access to the Dell SonicWALL GRID Network to stop new threats as they emerge
- Add-on anti-virus and anti-spyware protection for multi-layer security
- Optional Email Compliance and Encryption subscription services for secure, mobile-ready, email encryption and exchange
- Intelligent automation, task delegation and robust reporting for simplified management
- Flexible deployment options for long-term value
Features

Advanced analysis techniques—Stop spam, phishing, spoofing, zombie and virus attacks with over 99% effectiveness using multiple proven, patented techniques including reputation checks that check not only a message’s sender IP reputation, but also the reputation of its content, structure, links, images and attachments. Email Security protects against DHA and DoS attacks, and ensures sender validation. Advanced analysis techniques include adversarial Bayesian filtering, image analysis and gibberish detection to uncover hidden known threats, and new threats.

Dell SonicWALL GRID Network—Receive the most accurate and up-to-date protection against new spam attacks while ensuring delivery of benign email with real-time threat information from the Dell SonicWALL Global Response Intelligent Defense (GRID) network, which collects information from millions of data sources. The Dell SonicWALL threat team analyzes that information and performs rigorous testing to establish reputation scores for senders and content, identifying new threats in real-time.

Anti-virus and anti-spyware protection—Get up-to-date anti-virus and anti-spyware protection with Dell SonicWALL GRID Anti-Virus™. Also add McAfee® anti-virus signatures for multi-layer protection that is superior to that provided by solutions that rely on a single anti-virus technology. Moreover, you can safeguard your network from the time a new virus outbreak occurs until the time an anti-virus signature update is available by adding the predictive technology of Dell SonicWALL Time Zero Virus Protection.

Intelligent automation, task delegation and robust reporting—Simplify management with intelligent automation, task delegation and robust reporting. Automatically manage email addresses, accounts and user groups. Seamlessly integrate with multiple-LDAP servers. Confidently delegate spam management to end users with the downloadable Junk Button for Outlook® plug-in, while still retaining full control. Locate any email in seconds with the Rapid Message Search Engine. Centralized reporting (even in Split Mode) gives you easily customizable, system-wide and granular information on attack types, solution effectiveness and built-in performance monitoring.

Compliance Policy Management—This add-on service enables compliance with regulatory mandates by helping you to identify, monitor and report on email that violates compliance regulations and guidelines (e.g., HIPAA, SOX, GLBA, and PCI-DSS) or corporate data loss guidelines. The subscription service also enables policy-based routing of mail for approval, archiving and encryption to ensure the secure exchange of sensitive data.

Email Compliance and Encryption subscription services—Powerful framework for stopping email threats, managing compliance requirements and providing mobile-ready secure email exchange for organizations of all sizes.

Flexible deployment options—Gain scalable, long-term value by configuring your solution for growth and redundancy with minimal upfront costs. You can deploy Email Security as a hardened, high-performance appliance, as software leveraging existing infrastructure or as a virtual appliance leveraging shared computing resources to optimize utilization, ease migration and reduce capital costs. Start with a single system and then as your business grows, add capacity and move to a fail-over enabled, split-mode architecture. Multi-tenancy support allows large enterprise or managed service provider deployments with multiple departments or customers to establish organizational units with one or multiple domains. The deployment may be centrally managed, but still allows a given organizational unit to have its own users, policy rules, junk boxes and more.

1 U.S. Patents 7,814,545; 7,343,624; 7,665,140; 7,653,698; 7,546,348
Reports and monitoring
Dell SonicWALL Email Security is easy to set-up, easy to manage and easy to own.

Anti-spoofing DMARC report
Identify sources and senders of unauthorized email.

Junk Box summaries
Junk Box summaries optimize end-user email productivity, reduce complaints and improve overall effectiveness.
**Dell SonicWALL Email Security deployments**

The highly flexible architecture of Dell SonicWALL Email Security enables deployments in organizations that require a highly scalable, redundant and distributed email protection solution that can be centrally managed. Dell SonicWALL Email Security can be deployed in either **all-in-one** (Figure 1) or **split mode** (Figure 2).

In **split mode** systems may be configured as a remote analyzer or a control center. In a typical split-mode setup, one or more **remote analyzers** is connected to a **control center**. The remote analyzer receives email from one or more domains and applies connection management, email filtering (anti-spam, anti-phishing and anti-virus) and advanced policy techniques to deliver benign email to the downstream email server. The control center centrally manages all remote analyzers and collects and stores junk email from the remote analyzers. Centralized management includes reporting and monitoring of all related systems. This paradigm allows the solution to cost-effectively scale and protect both inbound and outbound email for growing organizations. Using Dell SonicWALL Email Security Virtual Appliances, split mode can be fully deployed on one or multiple servers for optimal efficiencies of scale.

### Flexible, scalable deployment options

**All-in-one configuration** (Figure 1)

In an all-in-one configuration, filtering and management take place on the same system.

**High availability deployment** (Figure 2)

For load balancing and redundancy, split mode enables organizations to filter at the network perimeter while providing centralized control. Administrators can easily synchronize Dell SonicWALL Email Security across multiple LDAP servers in distributed and hosted environments for scalable deployment.
Appliance and software features – subscriptions available in 25, 50, 100, 250, 500, 1,000, 2,000, 5,000, and 10,000 user packs

| Feature | Appliance, Virtual Appliance | Windows Server® |
|---------|-----------------------------|-----------------
| Complete inbound and outbound email protection | Anti-spam effectiveness 99%+ | 99%+ |
| Connection management with advanced IP reputation | Yes | Yes |
| Phishing detection, classification, blocking | Yes | Yes |
| Directory harvest, denial of service, DDoS protection | Yes | Yes |
| Anti-spoofing with support for SPF, DKIM and DMARC | Yes | Yes |
| Policy rules for user, group, all | Yes | Yes |
| Complete inbound and outbound protection in a single system | Yes | Yes |

**Easy administration**

**Installation**
- Management per week: < 1 hour
- Automatic multi-LDAP sync for users, groups: Yes
- Composable with all SMTP email servers: Yes
- Allow/deny end user controls: Yes
- Customize, schedule and email 30+ reports: Yes
- Rapid message search engine: Yes
- Scanable split-mode architecture: Yes
- Clustering and remote clustering: Yes

**Single sign-on**
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes

**Anti-virus subscription – optional**
- McAfee anti-virus: Yes
- Dell SonicWALL TimeZero anti-virus: Yes
- Anti-spoofing with support for SPF, DKIM and DMARC | Yes | Yes |
- Policy rules for user, group, all | Yes | Yes |
- Complete inbound and outbound protection in a single system | Yes | Yes |

**Easy for end users**

**Single sign-on**
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes
- Yes

**Anti-virus subscription – optional**
- McAfee anti-virus: Yes
- Dell SonicWALL TimeZero anti-virus: Yes
- Anti-spoofing with support for SPF, DKIM and DMARC | Yes | Yes |
- Policy rules for user, group, all | Yes | Yes |
- Complete inbound and outbound protection in a single system | Yes | Yes |

**Compliance subscription – optional**
- Robust policy management: Yes
- Attachment scanning: Yes
- Record ID matching: Yes
- dictionaries: Yes
- Approval boxes/workflow: Yes
- Email archiving: Yes
- Compliance reporting: Yes
- Compliance and Reporting subscription – optional
- Includes email protection dynamic 24x7 subscription plus anti-virus (McAfee) and compliance management subscription features | Yes | Yes |

**Email Security Appliance Specifications**

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<tr>
<th>Model</th>
<th>3300</th>
<th>4300</th>
<th>ES8300</th>
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<tr>
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<td>Unrestricted</td>
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<tr>
<td>Operating system</td>
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<td>Hardened Dell SonicWALL Linux OS appliance</td>
<td>Hardened Dell SonicWALL Linux OS appliance</td>
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<td>RAID 1</td>
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<tr>
<td>Redundant power supply</td>
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<td>Yes</td>
<td>Yes</td>
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<tr>
<td>SAFE Mode Flash</td>
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<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Dimensions</td>
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<td>17.0 x 16.4 x 1.7 in</td>
<td>27.5 x 19.0 x 3.5 in</td>
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<tr>
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<td>125,004</td>
<td>125,004</td>
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<td>MTBF (825C) in years</td>
<td>14,27</td>
<td>14,27</td>
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</tr>
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**Email Security Software Specifications**

| Feature | Appliance, Virtual Appliance | Windows Server® |
|---------|-----------------------------|-----------------
| Domains | Unrestricted | Unrestricted |
| Operating system | Hardened Dell SonicWALL Linux OS appliance | Hardened Dell SonicWALL Linux OS appliance |
| Rackmount chassis | 1RU | 1RU | 2RU |
| CPU(s) | Intel 2 GHz | Intel Dual Core 2 GHz | Quad Core Xeon 2 GHz |
| RAM | 4 GB | 2 GB | 4 GB |
| Hard drive | 250 GB | 2 x 250 GB | 4 x 750 GB |
| Redundant disk array (RAID) | RAID 1 | RAID 1 | RAID 5 |
| Hot swappable drives | No | Yes | Yes |
| Redundant power supply | Yes | Yes | Yes |
| SAFE Mode Flash | Yes | Yes | Yes |
| Dimensions | 17.0 x 16.4 x 1.7 in | 17.0 x 16.4 x 1.7 in | 27.5 x 19.0 x 3.5 in |
| Weight | 16 lbs / 7.26 kg | 16 lbs / 7.26 kg | 50.0 lbs / 22.7 kg |
| WEEE weight | 16 lbs / 7.26 kg | 16 lbs / 22.2 kg | 48.9 lbs / 22.2 kg |
| Power consumption (watts) | 86 | 101 | 280 |
| BTUs | 293 | 344 | 1098 |