12 REASONS TO UPGRADE TO AN NSA 2650 FROM AN NSA 2400 OR NSA 3500

Quick Glance

<table>
<thead>
<tr>
<th>Feature</th>
<th>NSA 2400 Series</th>
<th>NSA 3500</th>
<th>NSA 2650</th>
</tr>
</thead>
<tbody>
<tr>
<td>Processors</td>
<td>2x400 MHz</td>
<td>2x500 MHz</td>
<td>4x1.6 GHz</td>
</tr>
<tr>
<td>Memory</td>
<td>512 MB</td>
<td>512 MB</td>
<td>4 GB</td>
</tr>
<tr>
<td>Physical interfaces</td>
<td>6x1-GbE</td>
<td>6x1-GbE</td>
<td>4x2.5-GbE SFP, 4x2.5-GbE, 12x1-GbE, 1Mgmt</td>
</tr>
<tr>
<td>Deep Packet Inspection (DPI) performance</td>
<td>150 Mbps</td>
<td>240 Mbps</td>
<td>600 Mbps</td>
</tr>
<tr>
<td>TLS/SSL Inspection and Decryption (DPI SSL) performance</td>
<td>40 Mbps</td>
<td>60 Mbps</td>
<td>300 Mbps</td>
</tr>
<tr>
<td>Connections per second</td>
<td>4,000/sec</td>
<td>7,000/sec</td>
<td>15,000/sec</td>
</tr>
<tr>
<td>VLAN interfaces</td>
<td>50</td>
<td>200</td>
<td>256</td>
</tr>
<tr>
<td>Single sign-on (SSO) users</td>
<td>500</td>
<td>1,000</td>
<td>40,000</td>
</tr>
<tr>
<td>DPI SSL licenses included</td>
<td>X</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>DPI SSL enhancements</td>
<td>X</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>Capture Advanced Threat Protection service</td>
<td>X</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>Cloud GMS</td>
<td>X</td>
<td>X</td>
<td>✓</td>
</tr>
</tbody>
</table>

1. Higher performance to meet the demands of modern-day threat prevention
   • **The Benefit**: Having more and faster processors allows the NSA 2650 to process network traffic faster delivering better overall performance needed for modern-day threat prevention.
   • **The Difference**: The NSA 2650 has twice the number of security processors as the NSA 2400 and NSA 3500 (4 vs. 2). In addition, the NSA 2650 has higher speed 1.6 GHz processors compared with 400/500 MHz processors in the NSA 2400 and NSA 3500.

2. Store more rules/policies, user IDs and log messages locally
   • **The Benefit**: Increased onboard memory allows for more rules/policies, users and log messages to be stored on the firewall.
   • **The Difference**: The NSA 2650 has 8x the onboard memory of the NSA 2400 and NSA 3500 (4 GB vs. 512 MB).

3. Higher port density
   • **The Benefit**: Having a greater number of ports allows organizations to connect more devices directly to the SonicWall firewall without needing to purchase a switch. In addition, organizations that require increased throughput to support bandwidth-intensive applications and data transfer need multi-gigabit ports.
   • **The Difference**: The NSA 2650 has over 3x the number of ports as the NSA 2400 and NSA 3500 (20 vs. 6). The NSA 2650 also has eight 2.5 GbE ports and a dedicated management port while the NSA 2400 and NSA 3500 have neither.
4. Faster Deep Packet Inspection (DPI) performance
   - **The Benefit:** With increased network bandwidth requirements from IT trends such as apps, HD video streaming and social media, a faster DPI performance firewall provides a secure network without performance degradation. Having a faster DPI performance firewall provides organizations with a greater capacity to utilize higher internet speeds and support more concurrent users.
   - **The Difference:** The NSA 2650 offers significantly faster DPI performance than the NSA 2400 (up to 4x) and NSA 3500 (up to 2x+).

5. Higher performance DPI scanning of TLS/SSL-encrypted traffic
   - **The Benefit:** Scanning of TLS/SSL-encrypted traffic (DPI SSL) is CPU intensive and can slow down network performance. Faster DPI scanning of encrypted traffic enables organizations to have greater network performance and utilization.
   - **The Difference:** The NSA 2650 offers a 7x+ DPI SSL performance improvement over the NSA 2400 and a 5x improvement over the NSA 3500.

6. More connections per second to support increased simultaneous user sessions
   - **The Benefit:** Having a higher number of connections per second provides greater scalability by enabling more simultaneous sessions to be active per second and tracked by the firewall.
   - **The Difference:** The NSA 2650 provides a 3x+ connection per second improvement when compared with the NSA 2400 and more than a 2x improvement over the NSA 3500.

7. Improved performance and security through additional virtual LANs (VLANs)
   - **The Benefit:** The ability to create a greater number of VLANs enables organizations to segment users and devices into additional groups, improving performance and security while reducing hardware costs.
   - **The Difference:** The NSA 2650 provide the ability to create over 5x the number of VLANs as the NSA 2400 (256 vs. 50).

8. Reduced IT support costs and improved security with more SSO users
   - **The Benefit:** The single sign-on (SSO) feature improves employee productivity and reduces IT support costs by enabling users to gain access to connected systems with a single ID and password. SSO also provides the ability to track users by ID, simplifying policy creation and reporting.
   - **The Difference:** The NSA 2650 enables a much higher population of users (40,000 vs. 500 on NSA 2400) to benefit from the use of single sign-on.

9. Reduced IT costs to support encrypted traffic inspection
   - **The Benefit:** The SonicWall 2017 Security Annual Threat Report found increased encrypted traffic, leading to more under-the-radar hacks. Deep packet inspection of TLS/SSL-encrypted traffic is mandatory for organizations of all sizes.
   - **The Difference:** The NSA 2650 includes the license to inspect encrypted traffic by default, thereby reducing the capital expense. The NSA 2400 and NSA 3500 require a separate DPI SSL license to scan encrypted traffic.

10. Greater security, manageability, troubleshooting and ease-of-use through DPI SSL enhancements
    - **The Benefit:** Multiple enhancements in SonicOS 6.5 significantly advance capabilities associated with deep packet inspection of TLS/SSL-encrypted traffic, including providing more efficient inspection of DPI SSL traffic, as well as improved troubleshooting, better scalability and an increase in the number of default certificates supported.
    - **The Difference:** The NSA 2650 runs SonicOS 6.5 firmware which includes support for key DPI SSL enhancements not available on NSA 2400 and NSA 3500 firewalls which run SonicOS 5.9 firmware.
11. Increased security against advanced threats through SonicWall Capture

- **The Benefit:** Advanced threats are on the rise affecting all organizations. SonicWall Capture, a multi-engine cloud-based service, provides high security effectiveness against advanced persistent threats and zero-day attacks.
- **The Difference:** SonicWall Capture is available for the NSA 2650. This service is not available for the NSA 2400 or NSA 3500.

12. Simplicity, reliability and operational efficiency of cloud management through Cloud GMS

- **The Benefit:** Cloud GMS monitors firewalls 24x7 and sends immediate alerts on problems detected. It ensures error-free policy changes through its change management and workflow feature. Cloud GMS Reporting and Analytics provides telemetry on threats blocked, user activity, and traffic patterns. A SonicWall-managed cloud infrastructure eliminates the upfront and ongoing maintenance costs for the user.
- **The Difference:** The NSA 2650 running AGSS or CGSS includes Cloud GMS Basic Management at no charge. Workflow, Reporting and Analytics are also available as optional subscriptions. The NSA 2400 and 3500 run SonicOS 5.9 which is not supported by Cloud GMS.

About Us

SonicWall has been fighting the cyber-criminal industry for over 25 years, defending small, medium size businesses and enterprises worldwide. Our combination of products and partners has enabled a real-time cyber defense solution tuned to the specific needs of the more than 500,000 global businesses in over 150 countries, so you can do more business with less fear.