[SonicWall Generation 7 Firewalls: Stability, Security, Scalability](#)

SonicWall's Gen 7 is the most high-performance and feature-rich line of firewalls SonicWall has ever produced.

By [SonicWall Staff](#)

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In the first half of 2023, [SonicWall Capture Labs threat researchers](#) recorded a 399% increase in cryptojacking, a 22% increase in encrypted threats, and a 37% increase in IoT malware attacks. And we've continued to see attacks increase in sophistication, with the methods used and the speed with which they work both continuing to rise.

What is needed today is a rapid evolution in the way we conduct cybersecurity. Not only will we have to change our behavior with better personal security practices, but we must also deploy more innovative technology that has the capacity and durability to meet the urgent call for better protection.

SonicWall Next-Generation Firewalls Answers the Call

At SonicWall, we aren't just retreading the path we've traveled. We're also looking at the power and flexibility of new advancements that bring enterprises and SMBs alike to a level where they can stop attacks from many vectors. Our vision for cybersecurity is to protect organizations from the broadest spectrum of intrusions and pre-emptively reduce cyber risk — all while achieving greater protection across devices, new perimeters and network segments more efficiently while lowering the total cost of ownership.

Regardless of your organization's size, the industry you serve, or where your employees work, you'll benefit from our relentless dedication to bringing you NGFWs that offer the security, control and visibility you need to maintain an effective cybersecurity posture.

SonicWall NGFWs Designed for Enterprises, Governments and Service Providers

The SonicWall Generation 7 firewalls run on the SonicOS 7 operating system and include advanced networking features such as high availability, SD-WAN and dynamic routing. These firewalls were designed to meet the current high-demand cybersecurity landscape with validated security effectiveness and best-in-class price performance in a one or two rack unit appliance.
Our Gen 7 NGFWs protect organizations of all sizes with comprehensive, integrated security services, such as malware analysis, encrypted traffic inspection, cloud application security and URL filtering. In addition, all 17 Gen 7 NGFWs can be quickly and easily managed by SonicWall's cloud-native Network Security Manager (NSM), which gives distributed enterprises a single, easy-to-use cloud interface for streamlined management, analytics and reporting.

The Gen 7 collection pushes security and performance thresholds to protect educational institutions, the financial industry, healthcare providers, government agencies, and MSPs/MSSPs. From the smallest home office to the largest distributed enterprise, there's a Gen 7 NGFW designed to protect your assets — not just on prem, but in data centers, virtual environments and the cloud.

Entry-level NGFWs: The Gen 7 SonicWall TZ Series protect small businesses or branch locations from intrusion, malware and ransomware with easy-to-use, integrated security designed specifically for your needs. The TZ series includes five models, the 270, 370, 470, 570 and 670 — all of which excel at combining enterprise-grade protection with ease of use and an industry-leading TCO.

Mid-range NGFWs: Our Gen 7 Network Security Appliance (NS*a*) Series offers medium- to large-sized organizations industry-leading performance at the lowest total cost of ownership in their class. The NS*a* series consists of five models, the 2700, 3700, 4700, 5700 and 6700. Each includes comprehensive security features such as intrusion prevention, VPN, application control, malware analysis, URL filtering, DNS security, Geo-IP and botnet services.
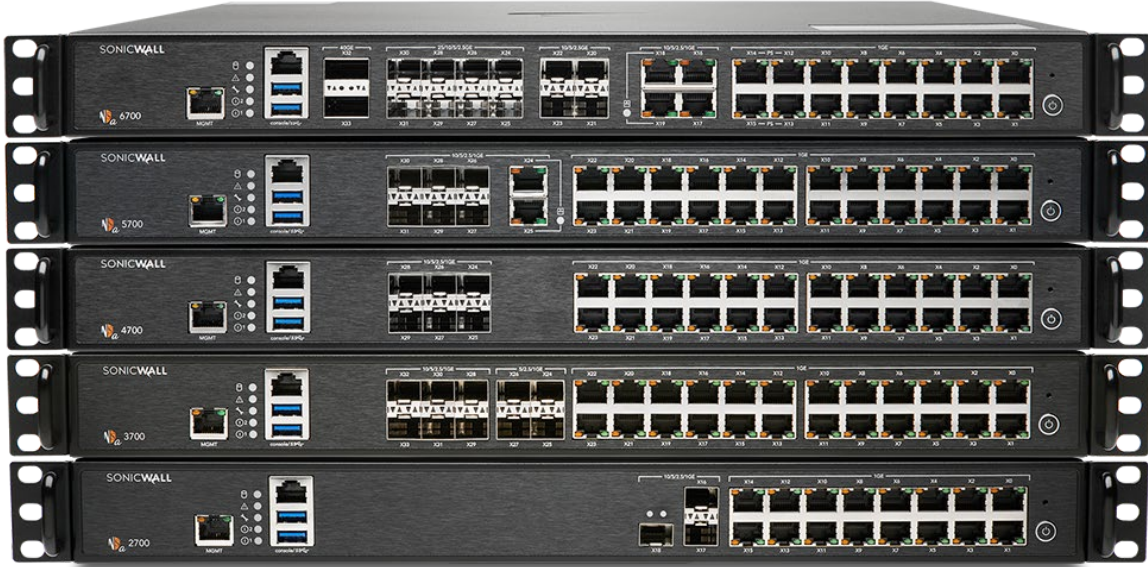
High-end NGFWs: The Gen 7 Network Security services platform (NS*sp*) high-end firewall series delivers the advanced threat protection, fast speeds and budget-friendly price that large enterprises, data centers and service providers demand. The NS*sp* series consists of four models, 10700, 11700, 13700 and 15700. Each NS*sp* NGFW features high port density and 100 GbE interfaces, which can process several million connections for zero-day and advanced threats.

Virtual Firewalls: The Gen 7 NS*v* Series virtual firewalls are built to secure the cloud and virtual environments with all the security advantages of a physical firewall — including system scalability and agility, speed of system provisioning, and simple management in addition to cost reduction. The NS*v* series consists of three models; 270, 470 and 870, all of which excel at securing virtualized compute resources and hypervisors to protect public clouds and private cloud workloads on VMware ESXi, Microsoft Hyper-V, Nutanix and KVM.

Powered by SonicOS/OSX 7

SonicWall Gen 7 NGFWs run on SonicOS/OSX 7, the latest version of our new SonicOS operating system. This OS was built from the ground up to deliver a modern user interface, intuitive workflows and user-first design principles. In addition, it provides multiple features designed to facilitate enterprise-level workflows, easy configuration, and simplified and flexible management — all of which allow enterprises to improve security and operational efficiency.

SonicOS/OSX 7 features:

- [Reassembly-Free Deep Packet Inspection (RFDPI)](#)
- [Real-Time Deep Memory Inspection (RTDMI™)](#) Sandboxing Technology
- [Secure SD-WAN](#)
- [Multi-Instance Firewall](#)
- High Availability
- TLS 1.3 support
- An intuitive, single-pane-of-glass management portal
- Gateway Antivirus, Intrusion Prevention and Application Control
- Capture ATP Multi-Engine Sandboxing
- URL Filtering

[Read more details](#) about the new SonicOS/OSX 7.

Overall Solution Value

SonicWall's award-winning hardware and advanced technology are built into each Gen 7 NGFW to give every business the edge on evolving threats. With a solution designed for networks of all sizes, SonicWall firewalls help you meet your specific security and usability needs, all at a cost that will protect your budget while securing your network.

To learn more about the SonicWall Gen 7 NGFWs, click here.