

HEALTHCARE

Comprehensive Internet Security for Healthcare

SONICWALL

Under Pressure and In Transition

The healthcare industry has always required specially tailored technology solutions. Lives depend, literally, on having reliable technology. With an aging population, changing economics, and new laws affecting the industry, healthcare technologies are under more pressure than ever.

Ensuring the security of patient and financial information is one of the key pressures facing healthcare organizations today. With the passage of the Health Insurance Portability and Accountability Act (HIPAA), data security is commanding increased attention and must be addressed by all healthcare-related companies. With all the confusion and hype around HIPAA, many organizations simply don't know what they need to do. The good news: by implementing a complete security solution, you transcend the technical requirements of HIPAA and set the foundation for realizing real business benefits.

Healthcare organizations continually look to technology solutions to increase mobility and enhance productivity. Their primary objective: bring information to staff when and where they need it. Whether in front of patients or in the back office, secure access to the right information is key to getting the job done. Popular tools include Internet and wireless-enabled Physician Order Entry systems, remote patient-administration applications, browser-based workflow automation applications, wireless handheld devices, and self-service patient portals. By aiding information flow, these solutions improve patient care, worker productivity, employee satisfaction and ultimately increase profitability.

Still, healthcare organizations must remain focused on their first mission: to provide the best possible care for their patients.

SonicWALL® makes wireless networking secure, simple and cost-effective with the first total security solution to integrate universal 802.11a/b/g wireless with an enterprise-class firewall/VPN gateway.

SonicWALL's innovative Distributed Wireless Solution scales to virtually any network deployment, whether you're adding wireless into an existing network infrastructure or creating a new wireless network from the ground up.



The New Network Technology Landscape

Networking used to mean bundles of wires strung throughout a building. Today's healthcare networks include computer workstations both on and offsite, along with many other intelligent devices. And many don't need wires. Network administrators need a flexible solution to address the myriad of security concerns associated with a dynamic and changing network environment.

Digital platforms broadly describe any healthcare information system—whether it's transmitting written or spoken records, x-ray or sonogram images, or other therapy-related data. Many of these systems run on open operating systems like Microsoft Windows, putting them at risk from fast spreading worms and viruses. In every case, these systems are linked via a network that can be impacted by seemingly unrelated security issues. An email virus outbreak can slow overall network performance and even infect or destroy data living on your network. Without inspecting and monitoring the data that flows across your entire network, you open your organization up to attacks that can devastate your business.

Wireless networking creates an unprecedented opportunity for healthcare organizations to make information available whenever—and wherever—healthcare professionals need it. However, if a wireless network is not properly secured, it's vulnerable to hackers. In order to take advantage of the mobility and productivity benefits of wireless—and to protect confidential information—a security-based approach to wireless is essential.

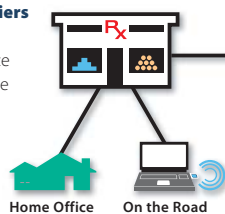
VPNs (virtual private networks)—a secure, dynamic connection between offices using the Internet—offer all the convenience and ubiquity of the Internet, with the privacy of a dedicated network. Healthcare enterprises securely connect their distributed organizations including major facilities, small offices, and home-based offices in a safe, cost-effective manner—no matter where people or facilities are located. However, VPN connections open new pathways for cyber threats. Without the proper security solutions on both ends of the connection to contain these threats, viruses and other attacks can run rampant.

What it Means for Individual Organizations

With a proven security-based mobility and productivity solution in place, healthcare organizations empower their staff with the right information at the right time — whether in the office, in the halls, at a home office, or on the road.

Pharmacies and Medical Suppliers

Reliable connections to inventory and distribution systems, back-office and/or head office databases, assure maximum efficiency.



Home Office



On the Road

Physician's Office

Fast, cost-effective, easy integration, with minimal work flow disruptions increase the effectiveness of office staff and enable remote information retrieval and transfer from home, hospital, or clinic.

Hospitals

Secure and uninterrupted communications increase productivity and mobility, and support life-and-death decisions in a 24/7/365 environment.

Business Management

Integration with clients' networks, while shielding them from intrusion or disruption, improves responsiveness.



Home Office



On the Road

Ancillary Services

Sharing information with outside groups facilitates efficient care and enables essential business relations.



Home Office



On the Road



Meeting the Needs of All Networks

SonicWALL offers a range of flexible, easy-to-manage and cost-effective security solutions to help healthcare organizations ensure the security and reliability of their information systems. All SonicWALL security solutions deliver a comprehensive set of essential security functions in integrated offerings with:

- Superior price-to-performance ratios
- Scalability for networks of all sizes
- Centralized management
- 3DES and AES encryption, to go beyond HIPAA standards for security

SonicWALL Products and Services

An Integrated, Layered Approach

Firewalls – Virtual private networking (VPN) – Wireless security – Anti-virus – Intrusion prevention – Content filtering– Reporting – Back-up connectivity.

SonicWALL TZ 170 Series is designed to secure a range of small networks—from home offices and telecommuters to small remote clinics and branch offices.

SonicWALL PRO Series is the central data communications hub for distributed healthcare operations. These flexible, high-performance appliances scale to support thousands of VPN connections and can be configured as a redundant pair to assure the constant availability of critical resources.

SonicWALL Distributed Wireless Solution is a secure, simple and cost-effective wireless network. It is the first total security solution to integrate universal 802.11a/b/g wireless with an enterprise class firewall/VPN gateway. SonicWALL's modular Distributed Wireless Solution scales to virtually any network deployment, whether you are adding wireless into an existing network infrastructure or creating a wireless network from the ground up.

SonicWALL Complete Anti-Virus, developed in partnership with McAfee, rapidly protects against fast moving viruses that can cripple Windows-based information systems. It includes a patent-pending anti-virus enforcement architecture that automates initial deployment, ongoing policy enforcement and updates, resulting in a faster time to protection.

SonicWALL Intrusion Prevention Service (IPS) integrates a configurable, ultra-high performance deep packet inspection engine and a dynamically updated database of nearly 2,000 attack and vulnerability signatures to protect networks against the range of illegal automated network attack programs like worms and back-door exploits.

SonicWALL Content Filtering Service (CFS) is ideal for organizations looking to improve productivity and reduce legal liability by controlling access to time-wasting and inappropriate Web content. These scalable, enterprise-class solutions leverage a continuously updated database of millions of Web sites and can be managed through any SonicWALL firewall.

SonicWALL Global Management System (GMS) provides centralized control of all SonicWALL devices and is scalable to manage several to hundreds or even thousands of remote devices. SonicWALL GMS lets healthcare organizations efficiently manage their HIPAA-compliant security solution, even with limited IT staff.

For more information on SonicWALL's broad range of simple, cost-effective security solutions designed to improve network efficiency for healthcare organizations, please visit our Web site at

<http://www.sonicwall.com/industries/health.html>

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