

# Network and data protection for healthcare



SonicWALL



## Under pressure and in transition

The healthcare industry has always required specially tailored technology solutions. Lives depend on having reliable technology. With an aging population, changing economics, and new laws potentially affecting the industry, healthcare technologies are under more pressure than ever. Recent governmental changes at both executive and legislative

levels may result in new laws that impact Medicare and other healthcare funding, putting a greater emphasis on cost-cutting and productivity across all economic sectors.

Ensuring the security of patient and financial information is one of the key pressures facing healthcare organizations today. With all the confusion and hype around HIPAA (Health Insurance

Portability and Accountability Act), many healthcare organizations simply don't know what they need to do. The good news: by implementing a complete Dell® SonicWALL® security solution, you can transcend the technical requirements of HIPAA and set the foundation for realizing real business benefits.

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Securing your network, improving your services

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

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 crucial 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.

### The new network technology landscape

Networking used to mean bundles of wires strung throughout a building. Today's healthcare network environments may include endpoint computing devices that are fixed-site or mobile, wired or wireless, personally-owned or IT-managed. 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-borne virus outbreak can slow overall network performance and even infect or destroy data living on your network. Without inspecting and monitoring the data and applications that flows across the entire network, it opens the organization up to attacks that can devastate the 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.

## Meeting the needs of all networks

Dell 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. Dell SonicWALL offers scalable, high-performance, integrated healthcare solutions that deliver superior price-to-performance, and 3DES and AES encryption security beyond HIPAA requirements.

## Network security/Next-Generation Firewall

Dell SonicWALL's line of network security appliances are engineered to reduce risk, cost and complexity by integrating automated dynamic security capabilities, high-speed Reassembly-Free Deep Packet Inspection® (RFDPI),

Application Intelligence and Control and robust Unified Threat Management (UTM) security services.

- Dell SonicWALL SuperMassive™ E10000 Series
- Dell SonicWALL E-Class NSA Series
- Dell SonicWALL NSA Series
- Dell SonicWALL TZ Series

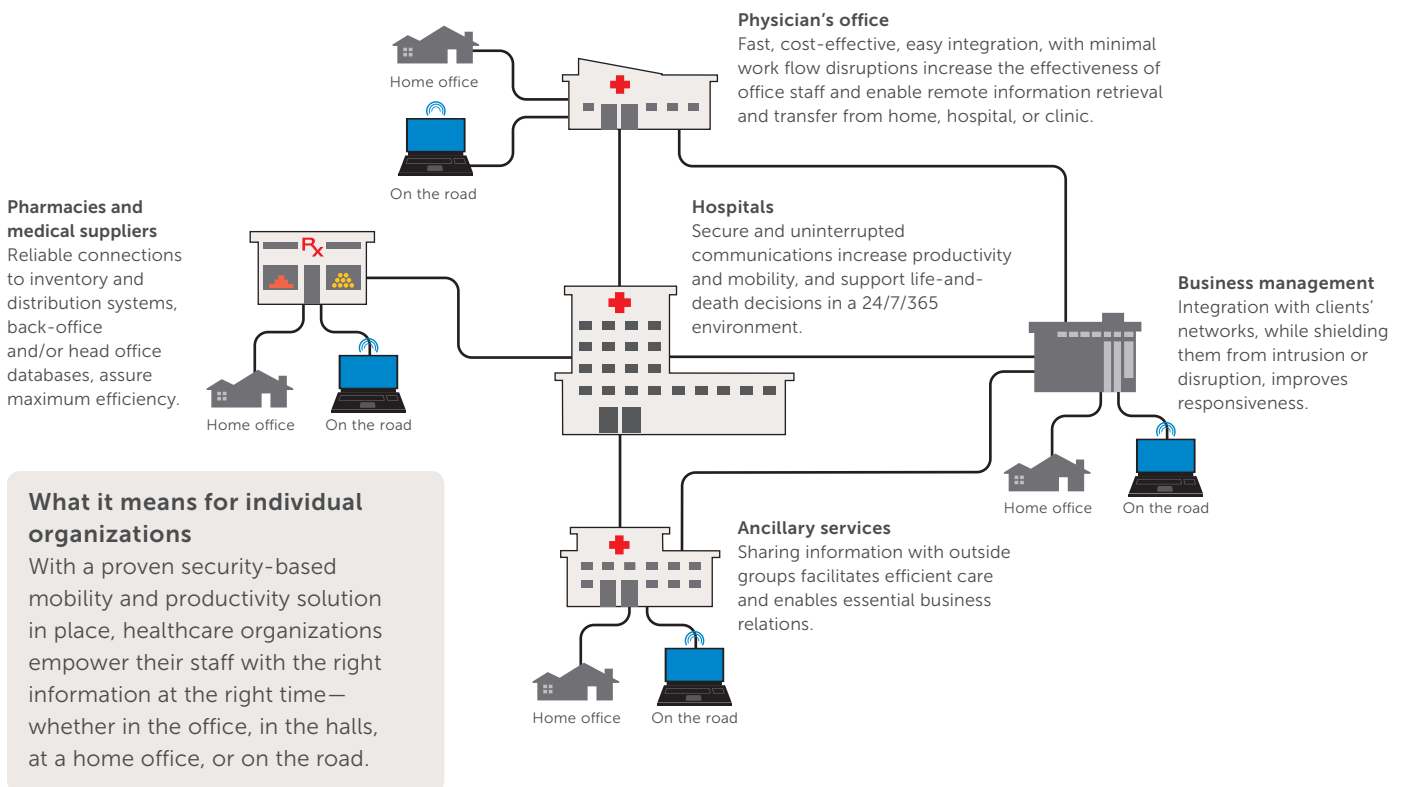
## Clean wireless

Dell SonicWALL Clean Wireless solutions scale to virtually any network deployment, whether to connect patient data entry tablets, inventory scanners, or physician tablets. Healthcare organizations can add access for guest wireless users quickly and securely. Clean wireless is a total security solution that integrates universal 802.11 n/b/g and 3G wireless with an enterprise-class firewall/VPN gateway.

- Dell SonicWALL TZ 105/105 Wireless-N
- Dell SonicWALL TZ 205/TZ 205 Wireless-N
- Dell SonicWALL TZ 215/TZ 215 Wireless-N
- Dell SonicWALL SonicPoint-N

## Secure remote access

Dell SonicWALL Secure Remote Access (SRA) solutions offers healthcare organizations and field clinics uninterrupted network access during natural disasters, fires, power outages, or other disruptions. Dell SonicWALL SSL VPNs provide secure remote access portals to mission-critical resources from home offices, labs, field clinics, partner sites or virtually any other endpoint including smartphones and tablets.



- Dell SonicWALL Aventail E-Class Secure Remote Access Series
- Dell SonicWALL Secure Remote Access Series for SMB
- Dell SonicWALL Mobile Connect for Apple iOS® and Google® Android™
- Dell SonicWALL Secure Virtual Assist/Access/Meeting

## Email security

Dell SonicWALL Email Security delivers a powerful framework for driving HIPAA compliance initiatives by intelligently identifying emails and attachments that violate compliance policies, providing email monitoring, archiving and reporting and applying multiple policy-based enforcement actions.

- Dell SonicWALL E-Class Email Security Series
- Dell SonicWALL Email Security SMB Series

## Global management and reporting

Dell SonicWALL management and reporting solutions provide distributed healthcare enterprises and service providers with flexible, powerful and intuitive tools to manage anywhere from a few to thousands of Dell SonicWALL firewall, anti-spam, backup and recovery, and secure remote access solutions from a central location.

- Dell SonicWALL E-Class Universal Management Appliance (UMA)
- Dell SonicWALL Global Management System (GMS)
- Dell SonicWALL Analyzer
- Dell SonicWALL Scrutinizer

## Backup and recovery

The Dell SonicWALL Continuous Data Protection (CDP) Series easily and reliably prevents data loss and downtime with automatic validated backup, status notifications and reports, and one-touch restore. CDP protects local and remote Windows®, Mac OS®, and Linux® servers, desktops and laptops. Flexible disaster recovery options include Site-to-Site Backup, Cloud Backup, Local Archiving and Universal System Recovery.

- Dell SonicWALL Continuous Data Protection Series

For more information on Dell SonicWALL's broad range of powerful, cost-effective security solutions designed to improve network efficiency for healthcare organizations, please visit our web site at [www.sonicwall.com](http://www.sonicwall.com).

