

BROCADE AND SPECTRALINK WI-FI SOLUTIONS



CAMPUS NETWORK

Improving the Responsiveness and Productivity of Mobile Staff throughout Hospitals

HIGHLIGHTS

- Provides reliable, high-quality, and secure onsite mobile communications
- Enables direct routing and network resilience by extending Quality of Service (QoS) and mobility services to Access Points (APs)
- Optimizes mobile voice quality with traffic load balancing, preemptive roaming, and rate scaling
- Provides security through an integrated wired/wireless firewall and wireless intrusion prevention system
- Supports compliance with the Joint Commission on Accreditation of Healthcare Organizations (JCAHO) and Sarbanes-Oxley

Today's healthcare organizations are constantly seeking ways to improve quality of care and control costs by increasing clinician efficiency. As paper-based systems give way to Electronic Medical Records (EMRs), many hospitals are also migrating to wireless PC carts, laptops, tablets, and PDAs to manage and access critical patient data at the point of care. As a result, hospital staff and doctors are no longer tethered to their wired workstations, yet they must be able to communicate with each other anytime, anywhere. Broad adoption of Voice over IP (VoIP), Brocade® wired and Wireless LANs (WLANs), and Spectralink Wi-Fi phone devices is helping healthcare organizations achieve this goal.

HOW BROCADE AND SPECTRALINK MEET THE CHALLENGE

Wireless telephone systems boost clinician and staff productivity by eliminating the communication delays inherent in overhead and radio paging systems. Unlike two-way radios, wireless telephones provide accessibility both outside and inside the facility, so less time is wasted locating staff.

In addition, when a wireless telephone user cannot take a call, the caller is forwarded to voicemail or an attendant. As with wired phones, calls are private, secure, and—unlike radios and overhead paging—do not disrupt the healing environment.

As technology partners, Spectralink and Brocade have conducted extensive interoperability testing to ensure seamless, trouble-free operation, enabling healthcare organizations to reliably, securely, and efficiently deliver the highest quality of care.

THE BROCADE AND SPECTRALINK SOLUTION

Spectralink Wi-Fi integrates with Brocade 802.11n networks to improve clinician and staff efficiency and responsiveness. No matter where users are in a facility, Spectralink Wi-Fi allows them to receive calls, important text messages, and other critical information. By integrating Spectralink Wi-Fi with healthcare applications, hospitals streamline their communications structure, reducing response times, improving information flow to the point of care, and lowering noise levels—all of which help improve patient care.

BROCADE

Wireless devices, however, are only as good as the network they connect to. Combining voice, data, and potentially video traffic requires a network that is able to provide adequate performance, reliability, and high Quality of Service (QoS) to ensure the timely delivery of patient information. Unlike traditional WLAN solutions that route all network traffic through the wireless controller, the Brocade Mobility WLAN solution uses a distributed forwarding architecture along with a multitude of traffic handling, intelligent learning, and management features embedded in the AP itself. This architecture eliminates the controller bottleneck issue to provide seamless use of mobile devices.

To ensure voice communications maintain high quality, even for highly mobile staff, hospitals can implement voice and video QoS parameters with Brocade Mobility solutions, which apply quality and "airtime fairness" based on the needs of users, their location, the application quality requirements, and the available mix of media (wired and wireless network). In addition, Wi-Fi Multimedia (WMM)

Extensions (WMM-Power Save) with Admission Control enhance multimedia application support and improve battery life and capacity for Spectralink mobile devices.

Healthcare facilities are increasingly turning to wireless telephone systems to increase efficiency and improve the quality of care. Spectralink enables facilities to provide mobility to healthcare staff, allowing them to perform their jobs more effectively and from anywhere within the facility. With a broad selection of APs and flexible network configurations, Brocade enables hospitals to build networks that meet their performance and reliability requirements. The combined Spectralink and Brocade solution helps healthcare providers to confidently deploy wireless telephone systems and improve patient care while controlling costs.

LEARN MORE

Brocade partners with companies of all sizes to deliver innovative solutions that help organizations maximize the value of their most critical information. To learn more, visit www.brocade.com/alliance.

ABOUT BROCADE

Brocade networking solutions help organizations transition smoothly to a world where applications and information reside anywhere. Innovative Ethernet and storage networking solutions for data center, campus, and service provider networks help reduce complexity and cost while enabling virtualization and cloud computing to increase business agility. Learn more at www.brocade.com.

ABOUT SPECTRALINK

Spectralink, a global leader in wireless solutions, solves the everyday problems of mobile workers through technology, innovation and integration that enable them to do their jobs better. By constantly listening to how customers move through their workdays, Spectralink is able to develop reliable, enterprise-grade voice and data solutions and deliver them through a powerful, durable device.

Figure 1.

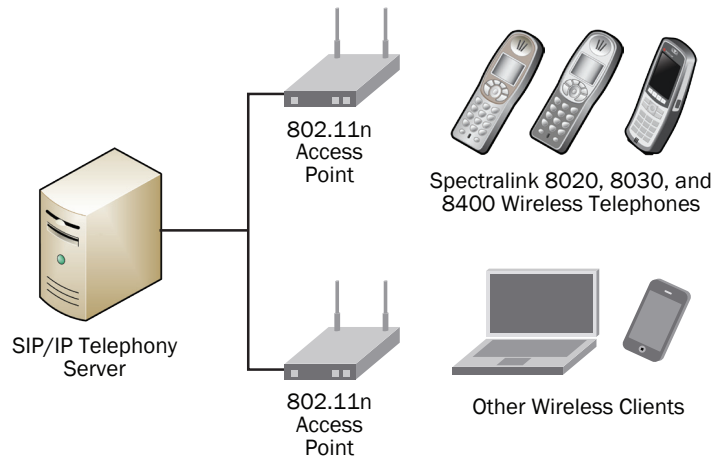
Spectralink Wi-Fi phone systems integrate with Brocade Mobility WLAN solutions, improving clinician and staff efficiency and responsiveness.

Integration with IP Telephony Server

Spectralink 8020/8030 Wireless Telephones support standard and proprietary IP telephony protocols without the need for a separate gateway. With the Brocade WLAN infrastructure, enterprise-grade standards for QoS and security ensure excellent battery life, call capacity, and voice quality.

Standards-Based Integration with SIP Telephony Servers and WLAN Infrastructure

Spectralink 8400 Series handsets support standard SIP telephony protocols without a separate gateway. They support enterprise-grade standards for security and QoS, ensuring excellent battery life, call capacity, and voice quality.



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