Spectralink 84-Series Wireless Telephones

Voice over Wi-Fi Communications for the Workplace

A United Front

The Spectralink 84-Series wireless telephones connect on-site mobile professionals with customers, colleagues, and the applications they need to perform their best – leading to increased worker productivity and organisational cost savings. Designed with the requirements of on-site workers in the healthcare, retail, and manufacturing industries in mind – the Spectralink 84-Series handsets unite the most critical elements of workplace communications within a single mobile device that is highly reliable, extra durable, and easy to use.

Whether attending to patients or customers – the Spectralink 84-Series handsets allow workers to deliver the very best care, service, and response times for any needs, so they can deliver services that directly impact safety, sales, efficiency and satisfaction.

Spectralink 84-Series Wireless Telephone

The Spectralink 84-Series handsets provide the right communication tools for mobile professionals in the workplace – all in one lightweight, simple-to-use, ergonomic device. They tie directly into your telephone system, voice mail and directories. Like a "desk phone in your hand," the Spectralink 84-Series' high definition voice quality provides crystal clear conversations. The handsets also support text alerts and instant messaging that can replace overhead paging for a quieter, more peaceful environment. Fully-integrated push-to-talk functionality makes it easy to instantly reach specialised teams within your organisation, and eliminates the need for two-way radios. And with the on-board Web browser and standards-based developer environment, the handsets provide fast, easy access to applications and references. The handsets are also tough, rugged, and built to last. Advanced features like the reinforced cage design, component shock mounting, rubberised over moulding will keep your Spectralink 84-Series handset working for years to come.

BENEFITS

- Deliver high-quality and secure voice communications across all enterprise environments
- Enable mobile workers to be reached immediately and reliably throughout workplace
- Notify workers of requests or alarms instantly
- Combine mobile phone, pager, two-way radio, barcode scanner and voice-recognition badge in one device
- Leverage existing wireless LAN infrastructure for voice and data applications
- Integrate directly into corporate voice mail, voice-activated dialling, and directories
- Support text alerts and instant messaging that can replace overhead paging for a quieter environment
- Deploy easily with the Spectralink Installation and Configuration (SLIC) tool

Spectralink VQO on 84-Series

In the world of enterprise wireless communications—voice and data aren't created equal. It takes deep expertise and advanced technology to achieve superior voice quality in these environments.

Spectralink Voice Quality Optimization, VQO, is the answer to this challenge, an engineered system that delivers superior voice quality over in-building, enterprise Wi-Fi networks. The system is built of technology on the inside of every 84-Series device—and the knowledge and expertise of our partners and specialized System Architects, on the outside. With Spectralink VQO, your 84-Series ensures crystal-clear communication, every time.

The Right Device

There are four models to choose from; the Spectralink 8440, 8441, 8452 and 8453. All handset models include the advanced features listed above. But there are additional options available to meet specific needs. For example, the Spectralink 8441 and 8453 include Spectralink SAFE designed to help protect mobile workers. And the Spectralink 8452 and 8453 handsets with built-in 1D/2D barcode readers are extremely powerful information portals to important resources and business critical databases.

FEATURES

- 802.11a/b/g/n (Wi-Fi) compatible
- Direct integration with SIP PBX systems and Microsoft® Lync®
- Standards-based VoIP protocol support
- Standards based QoS
- Standard, enterprise-grade security options
- Text messaging support via third party integration
- Instant Messaging via Microsoft Lync
- Management and configuration via web-based GUI
- XML-based Application Programing Interface (API) and software developer's kit
- Lightweight, ergonomic design
- Resistant to dust, shock and liquid damage

- User-selectable profiles
- HD voice and integrated full duplex speakerphone
- Personal directory, redial and speed-dial lists
- Icon-based status indicator
- Audible and vibrating ringers
- Soft key feature access
- Standard and extended-life battery options
- Single, dual, quad and multi charging options
- Push-to-talk (PTT) mode with 25 channels including one priority override channel
- Personal safety features, including panic and "man down" (8441 and 8453 only)
- 1D/2D integrated barcode scanners (8452 and 8453 only)

RADIO FREQUENCIES

- 2.4 - 2.4835 GHz (802.11b, 802.11g)
- 5.15 - 5.825 GHz (802.11a varies by country)
- 2.4 and 5 GHz (802.11n)

TRANSMIT DATA RATES

- Up to 11 Mbps (802.11b), up to 54 Mbps (802.11a/g), up to 72.2 Mbps (802.11n)

DISPLAY

- 55.9 mm (2.2 in.)
- 240 x 320 resolution
- 65,000 colour palette

ENVIRONMENTAL

- Operating temperature: 0 - 40º C (32º - 104º F)
- Storage temperature: -30º - 60º C (-22º - 140º F)

QOS

- Wi-Fi standard QoS; including WMM, WMM Power Save, and WMM Admission Control
- IEEE 802.1p/Q tagging (VLAN)/DSCP tagging

CODECS

- G.711 (A-law, u-law), G.729, G.722, G.722.1

PERIPHERAL INTERFACES

- Micro USB interface
- 2.5mm connector
- Bluetooth

SECURITY

- WEP, WPA-Personal, WPA2-Personal, WPA2-Enterprise with 802.1X (EAP-TLS, EAP-FAST, PEAP-MSCHAPv2) with Opportunistic Key Caching (OKC) and Cisco Client Key Management (CCKM)
- Media encryption via Secure Real-Time Protocol (SRTP)
- SIP signalling encryption via Transport Layer Security (TLS)
- Server-based configuration file encryption (AES 128 bit)
- HTTPS secure provisioning

MANAGEMENT AND PROVISIONING

- FTP, FTPS, TFTP, HTTP or HTTPS
- Centralised user administration
- Provisioning and call server redundancy
- USB and over-the-air configuration

PROGRAMMING INTERFACES

- XHTML
- WebKit-based browser (JavaScript, CSS, DOM)
- LDAP
- Spectralink OAI

Learn More

Learn what Spectralink wireless telephones can do for your organization.
Visit us at spectralink.com or contact your Spectralink representative.