

84 Series



spectralink 

Meet the 84 Series, Spectralink's durable, reliable, voice-centric feature phone you can count on.

The 84 Series Wi-Fi feature phone delivers enterprise-grade voice quality and a reliable user experience, even in tough environments.

An ideal solution designed for mobile workers that need a durable and easy-to-use device. The 84 Series unites the most critical elements of workplace communications within a single mobile device. This handset empowers workers to deliver best service and response times, boosting efficiency, safety, sales, and satisfaction.

Benefits:

- Durability:** 84 Series' tough, rugged design ensures drops, damage, and harsh cleaning agents won't harm to your device, so it will last for years to come, protecting your investment and bottom line
- Critical Communication:** Industry-leading voice quality outperforms the competition, eliminating miscommunication that could be critical for patient safety or customer satisfaction
- Simple to Use:** Physical buttons allow for ease-of-use, and workers can communicate immediately with no need to remove gloves or unlock phones

The 84 Series delivers business critical communication, requests, and alarms instantly.

This handset has a wide range of personal safety features, including man-down detection and a programmable panic button, ensuring mobile workers are safe.

It supports text alerts, instant messaging, and Push-to-Talk functionality, making it easy to instantly reach colleagues, and eliminates the need for two-way radios and overhead paging.

With Spectralink You Get:

- Our proprietary Voice Quality Optimization™ (VQO™) technology delivers crystal clear voice quality, noise suppression and echo cancellation capabilities
- Access to our world-class ecosystem of application partners to ensure your workers have the tools they need to get the job done
- The best call control UC interoperability in the industry –we integrate with all leading UC platforms

84 Series Use Cases:

HEALTHCARE

For long-term care, aged care, assisted living facilities and hospitals looking to implement basic alerting, notifications, and Nurse Call.

MANUFACTURING

Designed for harsh work environments, with our built-in active noise reduction, safety features for lone workers, rugged design, and non-glass screen.

RETAIL

Improves communication between store associates and retail management. Enables transactions and supports safety alerting throughout the store, allows store associates to track and fulfill “buy online, pick up in store” (BOPIS).

Specifications

Models

- 8440
- 8441

PHYSICAL CHARACTERISTICS

Display

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

Buttons

- Four (4) context-sensitive softkey buttons
- Programmable Push-to-Talk or Alarm button
- Five-way navigation and select control
- Home & Back navigation keys
- Up/Down volume control
- Start and End Keys
- Keypad

Batteries

- Two easy-access cosmetic battery capacity options:
 - Standard - Up to 8 hrs talk time, 80hrs standby time
 - Enhanced - Up to 12 hrs talk time, 120hrs standby time

Status LED

- Message (voicemail) waiting
- Out of coverage
- Phone ringing

Durability

- Drop/shock: MIL STD 810F, method 516.5 procedure IV
- Ingress protection standard: IP 64 per IEC 60529
- Rubberized molding
- Magnesium LCD mounting

Dimensions & weight

- 5.8 x 2.1 x 1.0 in. (147 x 53 x 25 mm)
- Weight 5.1 oz (144.6 gr.)

Peripheral interfaces

- Micro USB interface
- 2.5mm connector
- Bluetooth

Environmental

- Operating temperature: 32° - 104° F (0 - 40° C)
- Storage temperature: -22° - 140° F (-30° - 60° C) QOS
- Wi-Fi standard QoS; including WMM, WMM Power Save, and WMM Admission Control
- IEEE 802.1p/Q tagging (VLAN)/DSCP tagging

WIRELESS NETWORKING

| Band | Frequency | Data Rates |
|----------|---|-----------------------------------|
| 802.11a | 5.15 - 5.25 GHz 5.25 - 5.35 GHz 5.47 - 5.725 GHz 5.725 - 5.825 GHz | 6, 9, 12, 18, 24, 36, 48, 54 Mbps |
| 802.11b | 2.4 - 2.4835 GHz | 1, 2, 5.5, 11 Mbps |
| 802.11g | 2.4 - 2.4835 GHz | 6, 9, 12, 18, 24, 36, 48, 54 Mbps |
| 802.11n* | 2.4 & 5 GHz | 21.7, 43.3, 65, 72.2 Mbps |

- 2.4GHz and 5GHz dynamic band roaming supported

*Single-stream, 20MHz channel with SGI

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)

Bluetooth headset support

- Version 2.1, HSP Version 1.2
- Class 1 support with range of ~10 meters

TELEPHONY FEATURES

Call handling features*

- Up to six (6) telephone line appearances
- Call Hold/Resume function
- Last Call Return
- Music on Hold
- Consultation Hold
- Call Transfer (Attended, Unattended)
- Overlap dialling
- Bridged Line Appearance (BLA)
- Three-Way Conferencing (local)
- Find-Me call forking
- Call Screening (Incoming, Outgoing)
- Automatic Answer
- Call Park & Retrieve
- Group Call Pickup
- Call Waiting
- Multiple Calls per Line
- Do Not Disturb
- Calling party ID (Name and Number)
- Called party ID (Name and Number)
- Connected party ID (Name and Number)
- Call Forward (Busy, No Answer, Unconditional)
- Call Reject

*Summary only - actual feature support will vary among call platforms

Codecs

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

Push-to-talk (PPT)/paging

- On-board native 'walkie-talkie' capability
- One-to-one, one-to-many broadcast communication
- 24 configurable channels
- Priority, default channel

Additional telephony features

- RTPC (RFC 3550, RFC 1889)
- Call server redundancy
- Predictive dialling from contacts list
- Recent call lists

USABILITY

Personal safety

- Duress/Panic button
- No motion, running, tilt detection (8441 only)
- Alarm notifications

User profiles

- Downloadable to any handset with ID and Login

Additional

- Intuitive Graphical User Interface
- Selectable wallpaper/background
- Adjustable display brightness
- Backlit keypad with adjustable timeout period
- Ten (10) selectable ring tones
- Ten (10) selectable alert tones
- Multiple vibrate cadence options
- Vibrate-to-ring options
- Audible and vibrate notification options
- Speed dial menu list
- Contacts directory with support for 1000 local entries
- Call logs - Minimum of 20 logged entries for each call type (Incoming, dialed, and missed)
- Emergency system-wide speed dial
- Auto-answer & any key answer capability
- Selectable ring tones
- Unicode UTF-8 Multilingual User Interface