

# 84 Series

Rugged, voice-first handset built  
for demanding work



**A durable, voice-centric  
feature phone built  
for uninterrupted  
communication in fast-  
moving, high-demand  
environments.**

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

Designed for mobile workers who need a durable and easy-to-use device, the 84 Series brings the most essential elements of workplace communications into a single, dependable handset. Workers can respond faster, deliver better service, and improve efficiency, safety, and satisfaction across every shift.

## The right tool for voice-centric work

### Durable Design

Built to last, the 84 Series' tough, rugged construction withstands drops, daily wear, and harsh cleaning agents—protecting your investment and reducing device replacement costs over time.

### Critical Communication

Industry-leading voice quality ensures reliable conversations that minimize miscommunication—essential for patient safety, customer service, and efficient team coordination

### Simple to Use

Physical buttons make navigation fast and intuitive, enabling workers to communicate immediately without removing gloves or unlocking a touchscreen.

### Enhances Safety

The 84 Series delivers business-critical communication, requests, and alarms instantly. A wide range of personal safety features, including man-down detection and a programmable panic button, ensure mobile workers are safe.

### Drives Efficiency

Reach colleagues instantly with text alerts, instant messaging, and Push-to-Talk, eliminating the need for two-way radios and overhead paging.

## Spectralink Delivers

- Crystal-clear voice performance, powered by proprietary Voice Quality Optimization™ (VQO™) technology, including noise suppression and echo cancellation
- A proven ecosystem of application partners that equips workers with the tools they need to stay productive and responsive
- Best-in-class UC interoperability, integrating seamlessly with all leading call control and UC platforms

## Powering Performance Across Industries

### HEALTHCARE

Ideal for long-term care, aged care, assisted living facilities, and hospitals needing reliable basic alerting, notifications, and Nurse Call integration.

### MANUFACTURING

Built for demanding environments with active noise reduction, essential safety features for lone workers, a rugged housing, and a stronger-than-glass display.

### RETAIL

Strengthens communication between store associates and management, supports storewide safety alerts, enables efficient fulfillment workflows such as “buy online, pick up in store” (BOPIS).



## Models

8440, 8441

## Specifications

### Display

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

### Buttons

- 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 & End keys
- Keypad

### Batteries

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

### Status LED

- Voicemail alert
- Out of range
- Incoming call

### Durability

- Meets MIL STD 810F, method 516.5 procedure IV for drop and shock
- Rated IP64 for ingress protection (IEC 60529)
- Rubberized molding
- Magnesium LCD mounting

### Dimensions & weight

- 5.8 × 2.1 × 1.0 in (147 × 53 × 25 mm)
- Weight 5.1 oz (144.6 g)

### Peripheral Interfaces

- Micro USB interface
- 2.5 mm connector
- Bluetooth

### Environmental

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

### Quality of Service (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<br>5.25 - 5.35 GHz<br>5.47 - 5.725 GHz<br>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

### Call Handling Features\*

- Up to 6 telephone line appearances
- Call Hold/Resume function
- Last Call Return
- Music on Hold
- Consultation Hold
- Call Transfer (Attended, Unattended)
- Overlap dialing
- 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
- Incoming Caller ID (Name and Number)
- Outgoing Caller ID (Name and Number)
- Connected Caller ID (Name and Number)

### Call Forward (Busy, No Answer, Unconditional)

- Call decline

\*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

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

### 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
- 10 selectable ring tones
- 10 selectable alert tones
- Multiple vibrate cadence options
- Vibrate-to-ring options
- Audible and vibrate notification options
- Speed dial menu list
- Directory with support for 1,000 local contacts
- Call logs - Minimum of 20 logged entries for each call type (Incoming, dialed, and missed)
- Emergency system-wide speed dial
- Auto-answer and any key answer capability
- Unicode UTF-8 Multilingual User Interface