

## Spectralink 84-series handsets

Met de 84-serie van Spectralink is het mogelijk om mobiel te bellen binnen een bedrijfscontext. De toestellen worden gekenmerkt door een HD geluidskwaliteit, duurzaamheid, WLAN interoperabiliteit,... Dit alles leidt tot een betrouwbare gebruikservaring en een voorspelbare return on investment. De toestellen kunnen eenvoudig gelinkt worden aan access points door gebruik te maken van een eigen adaptief algoritme.



### Fysieke kenmerken

#### Uitzicht, duurzaamheid en werking

##### DISPLAY

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

##### BUTTONS

- Four (4) context-sensitive softkey buttons
- Push-to-Talk
- Five-way navigation and select control
- Home & Back navigation keys
- Up/Down volume control
- Barcode reader (8452/8453 handsets)
- Start and End Keys
- Panic/Duress

##### STATUS LED

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

##### PERIPHERAL INTERFACES

- Micro USB interface for wall charging and configuration
- 2.5mm connector for wired headset
- Bluetooth

##### 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
- May vary based on scanner, applications usage, screen brightness settings, etc.*

##### DURABILITY

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

##### ENVIRONMENTAL

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

## Spectralink 84-series handsets

### Dimensies & gewicht

	Spectralink 8440/8441	Spectralink 8452/8453
<b>Dimensions</b>	5.8 x 2.1 x 1.0 in. (147 x 53 x 25 mm)	5.7 x 2.1 x 1.3 in. (146 x 54 x 34 mm )
<b>Weight</b>	5.1 oz (144.6 gr.)	5.7 oz (161.6 gr.)



## Spectralink 84-series handsets

### Draadloze netwerken

#### Wi-Fi

Band	Frequency	Data Rates
<b>802.11a</b>	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
<b>802.11b</b>	2.4 – 2.4835 GHz	1, 2, 5.5, 11 Mbps
<b>802.11g</b>	2.4 – 2.4835 GHz	6, 9, 12, 18, 24, 36, 48, 54 Mbps
<b>802.11n*</b>	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*

#### Bluetooth Headset Support

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

### Inbegrepen features / functionaliteiten

#### Breed gamma aan features om efficiënt te bellen en een native push-to-talk

##### 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 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

- 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 (PTT)/PAGING

- G.711 (a-law, u-law), G.729, G.722, G.722.1
- On-board native 'walkie-talkie' capability
- One-to-one, one-to-many broadcast communication
- 24 configurable channels
- Priority, default channel

## Spectralink 84-series handsets

### Bruikbaarheid

#### Intuïtief en gebruiksvriendelijk

#### USER PROFILES

- Downloadable to any handset with ID and Login

#### PERSONAL SAFETY

- Duress/Panic button
- No motion, running, tilt detection
- Alarm notifications

	Spectralink 8440	Spectralink 8441	Spectralink 8452	Spectralink 8453
<b>Duress</b>	X	X	X	X
<b>Running</b>		X		X
<b>No motion</b>		X		X
<b>Tilt</b>		X		X

*2.4GHz and 5GHz dynamic band roaming supported*

*\*Single-stream, 20MHz channel with SGI*

#### ADDITIONAL

- Duress/Panic button
- 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

## Spectralink 84-series handsets

### Beheer

**Gemakkelijk te provisioneren en een eenvoudig beheer van performantie en problemen of fouten**

#### **PROVISIONING**

- Server based central provisioning via FTP, FTPS, TFTP, HTTP or HTTPS
- Centralized user administration
- Provisioning and call server redundancy
- Initial configuration via USB
- Unicode UTF-8 Multilingual User Interface

#### **PERFORMANCE AND FAULT MANAGEMENT**

- On-board site survey and diagnostics tools
- Enhanced syslog reporting
- Roaming and handoff reporting
- Event logging
- Hardware diagnostics
- Status and status reporting
- PING support (initiate and response)
- Traceroute

#### **CONFIGURATION MANAGEMENT**

- User and administrator login and privileges
- PC-connected (USB) and remote over-the-air configuration management

### Applications tools

**Data applications en interfacemogelijkheden**

#### **XML APPLICATIONS PROGRAM INTERFACE**

- Standards-based XHTML API
- On-board WebKit-based browser (JavaScript, CSS, DOM) for rich applications integration
- Corporate directory access LDAP

#### **SPECTRALINK OPEN APPLICATION INTERFACE (OAI)**

- Backward compatibility with Spectralink OAI applications

#### **INSTANT MESSAGING**

- Handset-to-handset, PC client-to-handset IM support via Microsoft® OCS and/or Microsoft Lync

#### **REAL TIME LOCATION SERVICES (RTLS)**

- Embedded RTLS beacon (Ekahau) for location tracking
- AeroScout

#### **CALENDAR – EXCHANGE SERVER INTEGRATION**

- Day and month view
- Meeting reminders

## Spectralink 84-series handsets

### Performantie

#### Hoogstaande stem- en belkwaliteit

##### **AUDIO QUALITY**

- TIA 810B, TIA 920 audio quality standards
- Full-duplex audio (compliant with IEEE 1329 full duplex standards)
- Voice activity detection (VAD)
- Comfort noise fill
- Adaptive jitter buffer & packet loss concealment
- Acoustic echo cancellation & background noise suppression

##### **QUALITY OF SERVICE**

- Wi-Fi Multimedia (WMM)
- WMM-Power Save
- WMM-Admission Control (draft)
- IEEE 802.1p/Q tagging (VLAN)/DSCP tagging

##### **SECURITY**

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

### Netwerk

#### Sterke ondersteuning voor netwerkstandaarden

- Address assignment via Manual or Dynamic host configuration protocol (DHCP)
- Domain name resolution via Domain Name Service (DNS)
- Time and date synchronization using Simple Network Time Protocol (SNTP)
- Lightweight Directory Access Protocol (LDAP) for directory lookup and download
- IEEE 802.1p/Q tagging (VLAN)/DSCP tagging

### Specificaties voor het vastleggen van data

#### Kwalitatieve scanning

	<b>Spectralink 8452/8453</b>
Type	1D/2D Area Imagers
Light source	617 nm highly visible LED (5)
Scan angle	38.9° Horiz., 25.4° Vert.
Label print contrast	Down to 25%
Resolution	Optical Resolution 752 x 480 pixels
Reading distance	Up to 34 in. (864 mm)

#### **BARCODE SYMBOLOGIES**

- 1D: RSS, Stacked RSS, RSS-14, GS1-DataBar, Code 39, Code 93, Code 128, UPC (E&A)
- 2D: Aztec, Codabar, Code 11, Code 39, Code 93/93I, Code 128, GS1-128, ISBT8, Databar (RSS), Datamatrix, EAN13, EAN8, Interleaved 2 of 5, Micro PDF 417, MSI, PDF 417, Plessey, QC code, Telepen, UPCA, UPCE, UPC/EAN

## Spectralink 84-series handsets

### Accessoires

**Accessoires die mobiele communicatie voor bedrijven mogelijk maken**

#### **DUAL CHARGER**

- Ideal for desktop use to augment or replace a desktop phone
- Provides handset and spare battery charging



#### **QUAD CHARGER**

- Charges up to four spare battery packs simultaneously
- Ideal for shift-work environments and highly-mobile users
- Designed for tabletop or wall-mounting



#### **MULTI CHARGER**

- Charges up to 12 battery packs simultaneously
- Wall or desk mount
- Ideal for multi-shift environment

