

## Product Specifications

PIVOT™ (Spectralink 87-Series) smartphones deliver enterprise-grade, on-site voice mobility with a user-friendly interface and reliable access to critical business applications.

Based on the Android™ operating system, it is a perfect balance between a durable handset combined with smartphone usability and with the quality and reliability you need for work. It is differentiated by its intuitive touchscreen design, HD voice quality, seamless voice over Wi-Fi roaming without dropouts, durability, broad telephony and WLAN interoperability, and predictable return on investment.

To achieve superior voice quality in unique enterprise environments, PIVOT is built with Spectralink Voice Quality Optimization (VQO), a patented, engineered system that delivers superior voice quality. The system is built of technology on the inside of each Spectralink device—and the knowledge and expertise of our partners and specialized system architects, on the outside.

PIVOT further enhances the customer value proposition with Google™ Mobile Services certification, standards-based application interfaces, an optional high-performance integrated barcode scanner and an industrial-grade accelerometer. In partnership with the Spectralink applications development ecosystem, PIVOT enables new opportunities for end-user productivity solutions.



**PIVOT:SC (8744)**



**PIVOT:S (8742)**



**PIVOT (8753)**



## FEATURE OVERVIEW

### OVERVIEW

- Choice of models:
  - PIVOT:S (8742)
  - PIVOT:SC (8744) (with camera barcode scanner)
  - PIVOT (8753) (with barcode scanner)
- Spectralink's high performance audio and voice over WLAN implementation known as Spectralink Voice Quality Optimization (VQO)
- Enterprise SIP and WLAN features
- Home page, user interface, settings utility and applications are based on the Android platform
- Google Mobile Services (GMS) including Google Play and other standard Google applications
- Large, optically bonded, damage-resistant glass touchscreen
- Multi-touch pan, zoom, swipe-gesture navigation
- Extended battery life, user-replaceable and hot-swappable batteries
- Dedicated hard buttons for emergency dial (red button), scanning and Push-to-Talk (PTT)
- Chemical resistance to commonly used cleaning solutions
- Secure Over-the-Air (OTA) provisioning and management

## GENERAL FEATURES

### PROCESSOR AND MEMORY

- ARM Cortex-A9 dual core, 1 GHz processor
- 1 GB DRAM, 8GB Flash
- 1 GB DRAM, 16GB Flash (8744 only)

### OPERATING SYSTEM

- Android™ 5.1 Lollipop
- Protected from jail-breaking and rooting

### DISPLAY AND TOUCHSCREEN

- 4.3 in. (109 mm) TFT, 800 x 480 pixels
- 16 million color palette
- Multi-touch capacitive touch screen display
- Accelerometer-based automatic screen orientation
- Manual or automatic adjustable display brightness
- Backlit display with adjustable time out
- Selectable wallpaper/background

### PERIPHERAL INTERFACES

- Micro USB interface for wall charging and configuration
- Bluetooth compatible
- 3.5 mm four-conductor stereo headset connector

### BATTERY

- Easy-access, replaceable battery pack
  - 2350 mAh (8753)
  - 2200 mAh (8742, 8744)
- Up to eight hours talk time
- Up to 90 hours standby time
- Hot swap option

*Talk and standby time may vary based on scanner, applications usage, screen brightness settings, etc.*

## PHYSICAL CHARACTERISTICS

### DURABILITY

- Drop/shock: MIL STD 810G, method 516.6 procedure IV
- Ingress protection standard: IP-64 per IEC 60529
- Damage-resistant Dragontrail™ glass

### ENVIRONMENTAL

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

### DIMENSIONS & WEIGHT\*

	PIVOT 8753	PIVOT:S 8742 PIVOT:SC 8744
Dimensions	5.7 x 3 x 1.1 in. (144.6 x 77.2 x 27.3 mm)	5.7 x 3 x .75 in. (144.6 x 77.2 x 19 mm)
Weight	8.8 oz (250 gr.)	8.5 oz (240 gr.)

\*As measured with battery installed.

### WIRELESS NETWORKING: WI-FI

BAND	FREQUENCY	DATA RATES
802.11a	5.15 - 5.25 GHz	6, 9, 12, 18, 24, 36, 48, 54 Mbps
	5.25 - 5.35 GHz	
	5.47 - 5.725 GHz	
	5.725 - 5.825 GHz	
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 and 5 GHz	21.7, 43.3, 65, 72.2 Mbps

2.4GHz and 5GHz dynamic band roaming supported

802.11n single-stream, 20MHz channel with SGI

# TELEPHONY FEATURES

## USABILITY

- Intuitive, instantly-familiar user interface
- Backlit display with automatic brightness control and proximity sensor
- Multilingual user interface (English, French, Spanish, German, Italian )
- Speech-to-text for all supported languages

## SPECTRALINK SAFE-PERSONAL SAFETY

- Duress/panic button
- Motion detectors: Man down, running and no movement
- Alarm notifications

## SIP CALL HANDLING FEATURES

- Call hold/resume
- Music on hold (server-provided)
- Consultation hold
- Call transfer (attended/unattended)
- Three-way conferencing (local)
- Call screening (incoming/outgoing)
- Call park/retrieve
- Call waiting
- Multiple calls per line
- Message Waiting Indicator (MWI)
- Do not disturb (silence or vibrate modes)
- Calling party ID (name and number)
- Connected party ID (name and number)
- Call forward
- Call reject
- Audible and vibrate notification options
- Speed dial
- Contact directory with support for 1000s of local entries
- Call logs with up to 1000 entries for incoming, outgoing and missed calls

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

## CODECS

- G.711 (A-law and  $\mu$ -law), G.729, G.722

## PUSH-TO-TALK

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

## ADDITIONAL TELEPHONY FEATURES

- Predictive dialing from contacts list
- Recent call lists
- Call server failover support

## DEVICE MANAGEMENT

### CONFIGURATION AND PROVISIONING

- Spectralink Configuration Management Server (CMS) — server-based centralized provisioning and configuration tool for ease of enterprise deployment
- Quick Network Connect (QNC) compatible for provisioning PIVOTs onto WiFi networks
- Initial provisioning via USB or wireless
- Administrator login and privileges
- Remote Over-the-Air (OTA) configuration management of administrative settings
- Remote Over-the-Air (OTA) system upgrade, under administrative control
- Third-party MDM interoperable, for administrative settings

### PERFORMANCE AND FAULT MANAGEMENT

- On-board diagnostics tools
- Syslog reporting
- Roaming and hand-off reporting
- Event logging
- Status reporting

## APPLICATION TOOLS

### APPLICATION DEVELOPMENT

- Standards-based web API
- On-board, enhanced browser (JavaScript, CSS, DOM) for rich application integration
- Access to a broad universe of Android applications
- Google Mobile Services (e.g., Google Play store, Google search, Calendar Sync, Contacts Sync, Android WebView etc.)

### EXCHANGE SERVER INTEGRATION

- Calendar
- Contacts
- E-mail

## PERFORMANCE

### QUALITY OF SERVICE (QOS)

- Wi-Fi Multimedia (WMM)
- WMM-Power Save
- WMM-Admission Control
- DSCP tagging

### SECURITY

- WEP, WPA-Personal, WPA2-Personal, WPA2-Enterprise with 802.1X (EAP-FAST, EAP-TLS, PEAP-MSCHAPv2) with Opportunistic Key Caching (OKC) and Cisco Client Key Management (CCKM)
- HTTPS secure configuration and monitoring
- Signed software executables

## NETWORKING

### NETWORKING STANDARDS

- Manual or Dynamic Host Configuration Protocol (DHCP)
- Domain Name Service (DNS)
- Simple Network Time Protocol (SNTP)
- Lightweight Directory Access Protocol (LDAP)
- XML and XHTML

# CAMERA AND IMAGING

## OPTIMIZED CAMERA BARCODE SCANNING

FEATURE	PIVOT 8744
Type	1D/2D camera imager
Scan time	7/10 second
Light source	White LED
Lens	f 2.4 lens
Pixels (Camera)	8 MP
Resolution	3296 x 2460 resolution (4:3 aspect ratio)
Focus range	10 cm – infinite
Barcode Symbolologies	<p><b>1D:</b> UPC/EAN/JAN, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128, IATA 2 of 5, Interleaved 2 of 5, GS1 DataBar, Hong Kong 2 of 5, Matrix 2 of 5, MSI Plessey, NEC 2 of 5, Plessey, Straight 2 of 5, Telepen</p> <p><b>Stacked 1D:</b> Code 49, GS1 Composite (CC-A/CC-B/CC-C), MicroPDF, PDF417</p> <p><b>2D:</b> Aztec Code, Data Matrix, Han Xin, Micro QR Code, QR Code</p>

## HIGH PERFORMANCE BARCODE SCANNING

FEATURE	PIVOT 8753
Type	1D/2D Area camera imager
Scan time	1/10 second (typical)
Light source	617 nm Highly visible LED
Scan angle	38.9° Horiz., 25.4° Vert
Label print contrast	Down to 30%
Resolution	Optical Resolutoin 752 x 480 Pixels
Reading distance	UP to 34 in. (864 mm)
Barcode Symbolologies	<p><b>1D:</b> Codabar, Code 11, Code 39, Code 93, Code 128, GS1-128, UPC-A, UPC-E, EAN-8, EAN-13, GS DataBar (RSS) Omni-directional, GS1 DataBar (RSS) Limited, GS1 DataBar (RSS) Expanded, Interleaved 2 of 5, Matrix 2 of 5, MSI Code, Plessey Code, Standard 2 of 5, Telepen</p> <p><b>2D:</b> Aztec, Datamatrix, Micro PDF 417, PDF 417, QR codes</p>

# ACCESSORIES

## USB WALL CHARGER

- Charger uses standard micro USB port

## PIVOT MULTI-CHARGER

The PIVOT Multi-Charger is designed to charge the slimline battery pack (DM367) for PIVOT:S (8742) and PIVOT:SC (8744) models. The Multi-Charger is a flexible modular charging solution that can be arranged in multiple configurations. It has three major modules: Desktop Charger, Triple Battery Charger and Multi-Charger Base.

### Desktop Charger

- Drop-in charger for 8742/8744
- Innovative USB adaptor for reliable connectivity



### Triple Battery Charger

- Simultaneous charging of three 8742/8744 battery packs
- Small desktop footprint
- Utilizes existing Quad Charger power supply



### Multi-Charger Base

- Holds combination of four Desktop and/or Triple Chargers
- Single power supply eliminates clutter and need for outlets
- Supports configuration with two Bases combined



# ACCESSORIES

## MULTI-CHARGER SUPPORTED CONFIGURATIONS

### Bundles



4 Desktop Chargers  
+ Multi-Charger Base



3 Desktop Chargers + 1 Triple  
Battery Charger + Multi Charger  
Base



4 Triple Battery Chargers +  
Multi-Charger Base

### Combination of Bundles

Combination of bundles must be configured as shown.



8 Desktop Chargers



6 Desktop Chargers +  
2 Triple Battery Chargers



7 Desktop Chargers +  
1 Triple Battery Charger

### A la Carte Options



1 Desktop Charger +  
3 Triple Battery Chargers



2 Desktop Chargers +  
2 Triple Battery Chargers

### Learn More

Learn what Spectralink wireless telephones can do for your organization.  
Visit us at [spectralink.com](http://spectralink.com) or contact your Spectralink representative.

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## COMBO QUAD CHARGER

- Charges spare battery packs simultaneously  
– Charges any combination of 8742/8753/8744 battery packs
- Ideal for shift-work environments and highly-mobile users
- Designed for tabletop or wall-mounting



Combo Quad Multi-Charger Bundle

Quad Charger

## CARRYING OPTIONS

- Belt clip
- Holster style case for PIVOT:S (8742) & PIVOT:SC (8744)
- Fitted case for PIVOT:S (8742) & PIVOT:SC (8744)
- Shoulder lanyard with multiple position attachment (8753 only)
- Protective silicone cover (8753 only)

For a full selection of accessories for PIVOTS, visit the [accessories website](#).

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