



## RTX8140

WIFI HANDSET

- The RTX8140 is a WIFI Handset with 4" Touch DECT DECT radio for superior HD Voice
- WIFI radio for data and voice over wifi.
  - Bluetooth Low Energy for dedicated location solutions and Bluetooth headset
  - uSD Card for extra memory
  - Front camera
  - Dedicated SDK for APP development
  - Enables enterprise features such as
    - Inhouse mobility on DECT and WIFI without 3G/4G roaming costs
    - Cost efficient solutions for large enterprise deployment
    - Dedicated applications for workforce optimization (hospitals, warehouse, banking)

# FEATURES

## HANDSET FEATURES

- IPS 4" TFT 480x800
- DECT/CAT-iq with antenna diversity support
- BT 4.0 + BLE
- Wifi (a/b/g/n)
- 1600mAh lithium ion battery
- Vibrator mode
- Speaker phone mode
- WB audio
- 2M pixel front camera
- 3.5mm headset
- Micro USB for charging and PC synchronization
- Upgrade software through WiFi
- Support micro SDHC up to 32GB

## BOX CONTENT

- Handset unit x 1
- Battery x 1
- User Manual x 1

# TECHNICAL SPECIFICATIONS

## DECT

- Frequency bands:
  - 1880 – 1900MHz (EU)
  - 1910 – 1930MHz (LATAM)
  - 1920 – 1930MHz (US)
- Power levels: 4
- Two antennas with fast diversity
- Range:
  - In-door: 50m
  - Out-door: 300m
- Seamless Handover

## WIFI

- Standard compliancy: 802.11a/b/g/n
- Frequency band:
  - 2.4 GHz: 802.11 b/g/n
  - 5 GHz: 802.11 a and n
- Data rates
  - 802.11 a/g: up to 54 Mbps
  - 802.11 b: up to 11 Mbps
  - 802.11 n: up to 72 Mbps
- Encryption methods
  - WEP, TKIP, AES, WAPI
- Authentication methods
  - 802.1x, WPA-PSK, WPA2-PSK, WPS
  - QoS prioritization
  - WMM (based on 802.11e)
- Antenna
  - MIMO 1x1

## BLUETOOTH

- 2.4GHz ISM
- BT version: V1.5, V2.0+EDR, V3+HS, V4.0, BLE

## DISPLAY

- 4" IPS TFT
- 480 x 800 pixels
- 3 colour MWI LED

## KEYPAD

- 9 keys
- Power On Key
- OK key
- Off-hook key and End call key
- Menu and Back key
- 3 side keys (volume up, down, mute/SOS)

## AUDIO

- G722 codec for HD audio
- G726 codec for standard audio
- HD audio speakerphone
- HAC compliant

## HEADSET OPTIONS

- 3.5mm, iphone pin compatible

## RINGER

- 20 ringer melodies, 6 levels
- Silent ringer (vibrator mode)
- Volume control
- Alerting volume, adjustable (low battery, low coverage)

## CALL FEATURES

- Android Dial Application
- Caller list (incoming, outgoing, failed)
- Directory access with photo display
- CLI (name and number support)
- Last number redial
- Recall/hold (enquiry)
- Automatic call answer
- Call reject option
- Loudspeaker mode
- Microphone Mute
- HD-Voice and seamless handover
- On-hook number preparation
- Silent Charging

## MESSAGING

- Messaging Application
- Message waiting (voicemail)
- Urgency levels: Normal, urgent and emergency
- Message broadcast support
- Set-up of voice call to call back number in message

## POWER PERFORMANCE

- Talk time : 16 hours (DECT mode only)
- Talk time : 10 hours (WIFI mode only)
- Standby : 160 hours (WIFI and BT are off, DECT is standby)
- Off time > 550 hours

## ENVIRONMENTAL CONDITIONS

- IP40 housing
- Operating conditions: 0-45 degrees

## APPROVALS

### DECT

#### • SAFETY

- CB certificate EN/IEC60950-1 2ed+A11:2009+A1:2010+A12:2011
- NRTL and cNRTL

#### • EU

- EN301489-1 and EN 01489-6
- EN/IEC 62209-1/-2
- EN301406 V2.1.1

#### • AU

- CISPR 22:2009
- AS/ACIF S004:2008
- AS/ACIF S040:2001

#### • US

- FCC Part 15B
- FCC Part 15D
- SAR OET 65 IEEE 1528
- FCC Part 68

#### • CA

- ICES-003 Issue 5:2012
- RSS-210 Issue 8:2010
- RSS-213 Issue 2:2005
- IC CS-03 Issue 5: 2012
- RSS-102 (SAR)

### WiFi

#### • EU

- EN 301489-17 for WIFI bgn
- EN 300328
- EN 301893 V1.7.1 for WIFI a
  - 5150-5250, 5725-5850
- EN 300440-1 V1.6.1 and EN 300440-2 V1.4.1 for WIFI a
  - 5150-5250, 5725-5850

#### • US

- FCC Part 15C for Wifi b/g/n
- FCC part 15E Radio for WIFI a
  - 5150-5250, 5725-5850
- SAR for WIFI

#### • CA

- RSS-210 Issue 8:2010

### BT

#### • EU

- EN 301489-17 V2.2.1
- EN 300 328 v1.8.1

#### • AU

- AS/NZS 4268:2012

#### • US

- Part 15C for BT

#### • AU

- RSS-210 Issue 8:2010