



**RTX8160**  
IP65 HANDSET WITH 2.4"



I M2 Ex ib I Mb  
II 2G Ex ib IIC T4 Gb  
II 2D Ex ib IIIC T135C Db  
-10C ~ +50C IP65  
CE0035  
Presafe 17 ATEX 9520 X

# FEATURES

## HANDSET FEATURES

- ATEX Ruggedized IP65 DECT Handset
- HD-Voice (CAT-IQ)/HAC Compliant
- Bluetooth 4.0 (BTLE)
- Alarm Key on top of handset.
- Man Down Alarm
- Pull Cord Alarm
- 2 Microphones (ambient noise reduction)
- Wideband Speakerphone
- DECT Messaging
- Vibrator
- uSDHC memory card

## BOX CONTENT

- Handset unit x 1
- Battery x 1
- User Manual x 1
- Belt clip set x 1

# TECHNICAL SPECIFICATIONS

## DECT

- Frequency bands:
  - 1880 – 1900MHz (EU)
  - 1910 – 1930MHz (LATAM)
  - 1920 – 1930MHz (US)
- Power levels: 4(14,17,20,24dBm)
- Two antennas with fast diversity
- Range:
  - In-door: 50m
  - Out-door: 300m
- Seamless Handover

## BLUETOOTH

- 2.4GHz ISM
- Protocol: Bluetooth 3.0 + EDR + BLE (BT 4.0)
- Profiles supported: HSP (Headset) profile 1.2 (NB) HFP (Handsfree) profile V1.6 (NB)

## DISPLAY

- 2.4"
- 240 x 320 pixels
- 3 colour MWI LED

## KEYPAD

- 27 keys
- 3 Soft keys (left, middle and right)
- 5 Navigation keys (left, right, up, down, OK)
- Off-hook key and End call key
- Speakerphone key
- Menu key
- 2 side keys (volume up, down, mute/SOS)
- 1 top alarm key

## AUDIO

- G722 codec for HD audio
- G726 codec for standard audio
- HD audio speakerphone
- HAC compliant
- Dual microphone to reduce ambient noise

## RINGER

- 6 ringer melodies, 6 levels
- Silent ringer (vibrator mode)
- Volume control
- Alerting volume, adjustable (low battery, low coverage)
- Loud ringer, 100dBspl

## CALL FEATURES

- Speed dial option
- Voice mail configuration
- Handsfree activation
- Call waiting
- Hold / Retrieve
- Call deflection
- Call Transfer, Blind
- Call Transfer, Attended
- Number of simul calls
- Multi line
- Call Swap
- Easy Redial

## MESSAGING

- Handset-to-Handset text
- Storage capacity
- Message capacity
- Message length
- Icon / LED indication

## POWER PERFORMANCE

- Talk time (NB): 17 hours
- Talk time (WB): 9 hours
- Standby time: Min. 160 hours
- Charge time: 6 Hours

## ALARM FEATURES

- Shock – No Movement – Man Down
- Pull cord
- Alarm button

## ENVIRONMENTAL CONDITIONS

- Operating conditions: -10-55 degrees

## RELIABILITY SPEC

- Impact test: 1000 times according to
- IEC 60068-2-32.
- IMD keypad for 100 RCA

## APPROVALS

### Description

- ELECTRICAL SAFETY
  - EN60950-1:2006+A11:2009+A1:2010 +A12:2011 +A2:2013 report
- HEALTH
  - EN 50360:2001+A1:2012
  - EN 50566:2013/AC:2014
- EMC/EMI
  - ETSI EN 301 489-1 V2.1.1 (2017-02)
  - ETSI EN 301 489-6 V2.1.1 (2016-11)
  - ETSI EN 301 489-17 V3.1.1 (2017-02)
- RADIO
  - ETSI EN 301 406 V2.2.2 (2016-09)
  - ETSI EN 300 328 V2.1.1 (2016-11)
- ATEX
  - EN 60079-0: 2012/A11:2013
  - EN 60079-11: 2012
- QAN
  - Certificate Registr. No. 01 220 1708971
  - By TUV Rheinland Industries Service GmbH
  - Reported uner no. 0035

## BLUETOOTH

- EMC : EN 301489-17 V2.2.1
- RF : EN 300 328 V1.9.1 Radio 2.4GHz