

RTX



RTX8160EX

IP65 HANDSET WITH 2.4"
PRODUCT SHEET



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

RTX8160EX HANDSET

FEATURES

- ATEX Ruggedized IP65 DECT Handset
- HD-Voice (CAT-IQ)/HAC Compliant
- Bluetooth 5.1 (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 x1
- Battery x1
- User Manual x1
- Belt clip set x1



Figure 1: RTX8160Ex handset

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-doot: 300m
- Seamless Handover

BLUETOOTH

- Bluetooth 5.1
- 2.4GHz ISM
- Profiles supported
 - HSP (Headset) profile V1.2
 - HFP (Handsfree) profile V1.8
- Encryption: 128-Bit

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

TECHNICAL SPECIFICATIONS

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 simultaneous 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

ENVIRONMENTAL CONDITIONS

- Operating conditions: -10-55 degrees

RELIABILITY SPEC

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

ALARM FEATURES

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

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