

RTX



RTX8631

RUGGEDIZED HANDSET
PRODUCT SHEET

The RTX8631 is a black ruggedized Handset with Bluetooth and 1A USB Charger for office use.

RTX8631 RUGGEDIZED HANDSET

FEATURES

HANDSET

- Ruggedized design
- HD audio support (G.722)
- 2" TFT display, 240x320
- Dedicated Alarm key on handset top
- Bluetooth LE interface (for positioning)
- Firmware upgradable over-the-air
- Single SKU for WorldWide deployment
- Noise Reduction

CHARGER

- 1A USB Charger



Figure 1: RTX8631 handset in charger

TECHNICAL SPECIFICATIONS

DECT

- Frequency bands:
 - 1880 - 1900MHz (EU)
 - 1910 - 1930MHz (LATAM)
 - 1910 - 1920MHz (Brazil)
 - 1920 - 1930MHz (US)
- Range:
 - Indoor: 50m
 - Out-door: 300m
- Power levels: 4
- Two antennas, fast diversity
- Encryption supported
- 10 system registrations

BLUETOOTH

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

DISPLAY

- 2" 240 x 320 pixels 64k TFT display
- 3 colour MWI LED
- min. 20 languages supported

KEYPAD

- 28 keys total including 5-way navi-key
- 3 soft keys, 3 side keys
- 1 alarm key on top
- ON- and OFF-hook keys

AUDIO

- G722 codec for HD audio
- G726 codec for narrow band audio
- HD audio speakerphone
- HAC compliant
- Speakers insensitive to metal swarf
- Noise Reduction

TECHNICAL SPECIFICATIONS

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|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RINGER | <ul style="list-style-type: none">• 20 polyphonic melodies, 6 levels• Volume control, Silent ringer• Alerting volume, adjustable (low battery, low coverage)• Vibrator |
| CALL FEATURES | <ul style="list-style-type: none">• Call list with 50 entries (All, received, outgoing, missed)• Speed dial• Central phonebook support (multiple LDAP server)• Local phonebook with 250 entries (3 numbers/name)• Date and time in Idle display• DND and Cfx enable/disable from handset• Call waiting indication• Conference call, Call Swap support |
| MESSAGING | <ul style="list-style-type: none">• SMS messaging, max length 200 chars• Alarm generation from key• Alarms list with colors• Storage: 35000 chars shared between SMS and Alarms |
| POWER PERFORMANCE | <ul style="list-style-type: none">• Talk time: 17h(NB), 12h(WB)• Standby time: 200 hours• Battery type: Lith Ion Charging• Cradle charging time: 6 hours• Adaptor plugs: EU/US/AUS/UK• Charging conditions: +5 to 45 |
| ENVIRONMENTAL CONDITIONS | <ul style="list-style-type: none">• IP50 at LCD area• Shock proof• Enhanced ESD: 8kV contact and 16 kV air• Operating conditions: -10 to 55 degrees |
| RELIABILITY SPEC | <ul style="list-style-type: none">• Drop height: 2m on concrete floor• Tumble test: 1000 x 0.5m• Keypad lifetime: 200.000 presses• Keypad abrasion: 75 RCA cycles |
| HEADSET OPTIONS | <ul style="list-style-type: none">• 3.5mm wired headset• Bluetooth |
| SIZE AND WEIGHT | <ul style="list-style-type: none">• Size: 118 x 46 x 21mm (H x W x D)• Weight: 86g |
| APPROVALS | <ul style="list-style-type: none">• EU, US, CA and AUS |
| MILITARY STANDARD TESTS | <ul style="list-style-type: none">• MIL-STD-810g 516.6 Procedure I Functional Shock• MIL-STD-810g 516.6 Procedure IV Transit Drop |
| BOX CONTENT | <ul style="list-style-type: none">• 1 RTX8631 handset• 1 Lith-Ion batteries• 1 battery cover• 1 beltclip• 1 table charger• 1 AC adaptor• 1 Quick guide/Safety sheet |