

# RTX



## RTX8633

IP65 HANDSET  
PRODUCT SHEET

The RTX8633 is a white ruggedized IP65 Handset with Bluetooth, antibacterial and 1A USB Charger for hospital use.

# RTX8633 IP65 HANDSET

## FEATURES

### HANDSET

- IP65 compliant
- Ruggedized design with antibacterial coating
- 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: RTX8633 handset in charger

## TECHNICAL SPECIFICATIONS

<b>DECT</b>	<ul style="list-style-type: none"><li>• Frequency bands:<ul style="list-style-type: none"><li>- 1880 - 1900MHz (EU)</li><li>- 1910 - 1930MHz (LATAM)</li><li>- 1910 - 1920MHz (Brazil)</li><li>- 1920 - 1930MHz (US)</li></ul></li><li>• Range:<ul style="list-style-type: none"><li>- Indoor: 50m</li><li>- Out-door: 300m</li></ul></li><li>• Power levels: 4</li><li>• Two antennas, fast diversity</li><li>• Encryption supported</li><li>• 10 system registrations</li></ul>
<b>BLUETOOTH</b>	<ul style="list-style-type: none"><li>• Bluetooth 5.1</li><li>• 2.4GHz ISM</li><li>• Profiles supported<ul style="list-style-type: none"><li>- HSP (Headset) profile V1.2</li><li>- HFP (Handsfree) profile V1.8</li></ul></li><li>• Encryption: 128-Bit</li></ul>
<b>DISPLAY</b>	<ul style="list-style-type: none"><li>• 2" 240 x 320 pixels 64k TFT display</li><li>• 3 colour MWI LED</li><li>• min. 20 languages supported</li></ul>
<b>KEYPAD</b>	<ul style="list-style-type: none"><li>• 28 keys total including 5-way navi-key</li><li>• 3 soft keys, 3 side keys</li><li>• 1 alarm key on top</li><li>• ON- and OFF-hook keys</li></ul>
<b>AUDIO</b>	<ul style="list-style-type: none"><li>• G722 codec for HD audio</li><li>• G726 codec for narrow band audio</li><li>• HD audio speakerphone</li><li>• HAC compliant</li><li>• Speakers insensitive to metal swarf</li><li>• Noise Reduction</li></ul>

# TECHNICAL SPECIFICATIONS

<b>RINGER</b>	<ul style="list-style-type: none"><li>• 20 polyphonic melodies, 6 levels</li><li>• Volume control, Silent ringer</li><li>• Alerting volume, adjustable (low battery, low coverage)</li><li>• Vibrator</li></ul>
<b>CALL FEATURES</b>	<ul style="list-style-type: none"><li>• Call list with 50 entries (All, received, outgoing, missed)</li><li>• Speed dial</li><li>• Central phonebook support (multiple LDAP server)</li><li>• Local phonebook with 250 entries (3 numbers/name)</li><li>• Date and time in Idle display</li><li>• DND and CFx enable/disable from handset</li><li>• Call waiting indication</li><li>• Conference call, Call Swap support</li></ul>
<b>MESSAGING</b>	<ul style="list-style-type: none"><li>• SMS messaging, max length 200 chars</li><li>• Alarm generation from key</li><li>• Alarms list with colors</li><li>• Storage: 35000 chars shared between SMS and Alarms</li></ul>
<b>POWER PERFORMANCE</b>	<ul style="list-style-type: none"><li>• Talk time: 17h(NB), 12h(WB)</li><li>• Standby time: 200 hours</li><li>• Battery type: Lith Ion Charging</li><li>• Cradle charging time: 6 hours</li><li>• Adaptor plugs: EU/US/AUS/UK</li><li>• Charging conditions: +5 to 45</li></ul>
<b>ENVIRONMENTAL CONDITIONS</b>	<ul style="list-style-type: none"><li>• IP65 compliant</li><li>• Shock proof</li><li>• Enhanced ESD: 8kV contact and 16 kV air</li><li>• Operating conditions: -10 to 55 degrees</li></ul>
<b>RELIABILITY SPEC</b>	<ul style="list-style-type: none"><li>• Drop height: 2m on concrete floor</li><li>• Tumble test: 1000 x 0.5m</li><li>• Keypad lifetime: 200.000 presses</li><li>• Keypad abrasion: 75 RCA cycles</li></ul>
<b>SIZE AND WEIGHT</b>	<ul style="list-style-type: none"><li>• Size: 122 x 50 x 21mm (H x W x D)</li><li>• Weight: 95g</li></ul>
<b>ANTIBACTERIAL</b>	<ul style="list-style-type: none"><li>• ISO 22196 (2nd Edition)</li></ul>
<b>HEADSET OPTIONS</b>	<ul style="list-style-type: none"><li>• 3.5mm wired headset</li><li>• Bluetooth</li></ul>
<b>APPROVALS</b>	<ul style="list-style-type: none"><li>• EU, US, CA and AUS</li></ul>
<b>MILITARY STANDARD TESTS</b>	<ul style="list-style-type: none"><li>• MIL-STD-810g 516.6 Procedure I Functional Shock</li><li>• MIL-STD-810g 516.6 Procedure IV Transit Drop</li></ul>
<b>BOX CONTENT</b>	<ul style="list-style-type: none"><li>• 1 RTX8633 handset</li><li>• 1 Lith-Ion batteries</li><li>• 1 battery cover</li><li>• 1 beltclip</li><li>• 1 table charger</li><li>• 1 AC adaptor</li><li>• 1 Quick guide/Safety sheet</li></ul>