

**RTX**  
WIRELESS WISDOM



**RTX8830**  
IP65 HANDSET

The RTX8830 is an IP65 handset compliant with the RTX8630 system, which target the industrial, hospital, hotel, secure and lonely worker verticals.

## FEATURES

### HANDSET FEATURES

- HD audio support (G.722)
- 2" TFT display, 176x220
- IP65 compliant
- Ruggedized design
- Dedicated Alarm key on handset top
- Pull cord support
- Man-down support
- Ambient noise reduction
- Optional Bluetooth for headset
- Optional LF (125kHz) receiver for positioning
- Micro SD-card support for fast handset exchange
- Single SKU for WorldWide deployment

### BOX CONTENT

- 1 RTX8830 handset
- 1 Lith-Ion batteries
- 1 battery cover
- 1 beltclip
- 1 table charger
- 1 AC adaptor
- 1 User guide
- 1 Safety sheet

## 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

### AUDIO

- G722 codec for HD audio
- G726 codec for narrow band audio
- HD audio speakerphone
- HAC
- Ambient noise reduction
- Loudspeaker volume: >=100dBspl
- Speakers insensitive to metal swarf

### DISPLAY

- 2" 176 x 220 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
- IMD technology, with backlight

### HEADSET OPTIONS

- 3.5mm
- Optional Bluetooth

### RINGER

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

### CALL FEATURES

- 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

- SMS messaging, max length 200chars
- Alarm generation from key, ManDown or Pull cord
- Alarms list with colors
- Storage: 35000 chars shared between SMS and Alarms

### SIZE AND WEIGHT

- Size: 152 x 48 x 28mm
- Weight: 175g

### POWER PERFORMANCE

- Talk time: 17h(NB), 12h(WB)
- Standby time: 200 hours
- Battery type: Lith Ion
- Cradle charging time: 6 hours
- USB charging time: TBD
- Adaptor plugs: EU/US/AUS/UK

### ENVIRONMENTAL CONDITIONS

- IP65 compliant
- Shock proof
- Enhanced ESD: 8kV contact and 16kV air
- Operating conditions: -10 to 55 degrees

### RELIABILITY SPEC

- Drop height: 2m on concrete floor
- Tumble test: 1000 x 0.5m
- Keypad lifetime: 100.000 presses
- Keypad abrasion: 100 RCA cycles

### APPROVALS

- EU, US, CA and AUS

