RTX

WIRELESS WISDOM

RTX8830 Specification



NEW

RTX8830

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



Wireless

Main 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

Wireless



TECHNICAL SPECIFICATIONS

AUDIO

- G722 codec for HD audio
- G726 codec for narrow band audio
- HD audio speakerphone
- HAC compliant (TIA-1083)
- 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 wired headset, Iphone compliant
- Optional Bluetooth

RINGER

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

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

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 and16kV air
- Operating conditions: -15 - 55 degrees

RELIABILITY SPEC

- Drop height: 2m on concrete floor
- Tumble test: 1000 x 0.5m
- Keypad lifetime: 100.000 presses
- Keypad abrasion: 70 RCA cycles

APPROVALS

- EU, US, CA and AUS

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