



RTX8431

HANDSET
PRODUCT SHEET

The RTX8431 is an entry level handset designed for professional use with a rugged design, four programmable keys, long standby and talk time making it a perfect fit for users in small businesses and enterprises.

RTX8431 ENTRY LEVEL HANDSET

Next generation entry level handset RTX8431 is a cost-efficient handset that covers basic needs for telephone and mobility.

The handset is designed for professional use with a rugged design, four programmable keys, long standby and talk time making it a perfect fit for users in small businesses and enterprises such as offices and retail stores.

FEATURES

HANDSET

- HD audio support (G.722)
- 1.77" TFT display, 128 x 160
- Polyphonic ringtones
- Local phonebook
- Central phonebook support
- Headset connector, 3.5mm
- Firmware upgradable over-the-air
- Wideband speakerphone
- 722 codec for HD audio
- 726 codec for standard audio
- Side keys, for volume control and mute
- 4 – Programmable keys
- Talk time 22 hours
- Standby time 350 hours
- 1100 mAh Li-ion
- Hard keypad
- Noise reduction

CHARGER

- 1A USB Charger
- Compatible with RTX8631 charger

ENTRY LEVEL HANDSET

The RTX8431 handset supports 22 hours talk time and 350 hours standby time. It has a 1.77" LCM screen display, programmable keys and uses a Li-ion battery pack.

It supports the following codecs: G711, G726, G722.



Figure 1: RTX8431 handset in charger

PART OF A COMPLETE SOLUTION

The RTX8431 is compatible with the RTX9431 single-cell DECT solution, as well as the RTX8663 multi-cell DECT solution. Making it a flexible product that fits the need for larger range without compromising on voice quality, availability, and security.

In a complete solution, it is possible to connect 20 handsets to 12 repeaters and 2 base stations. In this system it is possible to connect headsets to achieve even more mobility. By combining several devices into one system the range extends and it is possible to support up to 20 calls per system.

TECHNICAL SPECIFICATIONS

BOX CONTENT

- HD audio support (G722)
- 1,77" TFT display, 128 x 160 pixels
- Polyphonic ringtones
- Local phonebook
- Central phonebook support
- Headset connector, 3.5mm
- Firmware upgradable over-the-air
- Wideband speakerphone
- 1 RTX8431 handset
- 1 li-ion battery
- 1 battery cover
- 1 table charger
- AC adaptor
- Safety sheet

AUDIO

- G722 codec for HD audio
- G726 codec for standard audio
- HD audio speakerphone
- HAC compliant

TFT COLOR DISPLAY

- 1,77"
- 128 x 160 pixels
- 64k colour

KEYPAD

- 31 keys total
- 3 soft keys
- 5-way navigation key
- ON- and OFF-hook keys
- Key lock and auto key lock
- 4 programmable keys

HEADSET JACK

- 3.5mm

SIZE AND WEIGHT

- Size: 123 x 46 x 21mm (H x W x D)
- Weight: 98g including batteries

DECT

- Frequency bands:
 - 1880 - 1900MHz (EU)
 - 1910 - 1930MHz (LATAM)
 - 1920 - 1930MHz (US)
- Power levels: 4
- Two antennas
- Encryption supported
- 1 system registration

RINGER

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

CALL FEATURES

- Call list with 20 entries (All, received, outgoing, missed)
- Redial from call list
- Speed dial
- Central phonebook support (one LDAP server)
- Local phonebook with 50 entries (1 number/name)
- Date and time in Idle display
- DND support
- CFU/CFB/CFx support
- Call waiting
- Conference call

PERFORMANCE

- Talk time: 22H(NB), 14H(WB)
- Standby time: 350 HOURS
- Battery type: Li-Ion, 1100MAH
- Range:
 - Indoor: 50M
 - Out-door: 300m

ENVIRONMENTAL CONDITIONS

- IP20 housing
 - Operating conditions: 0-55 degrees
 - Charging: 5-45 degrees
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TECHNICAL SPECIFICATIONS

RELIABILITY SPEC

- Drop height: 2m
- Keypad lifetime: 200.000 cycles
- Keypad abrasion: 50 cycles by RCA test

CHARGING

- EU/US/AUS/UK plugs supported
- Table charging cradle

APPROVALS

- Radio: EN 301 406
 - EMC:
 - EN 301 489-1
 - EN 301 489-6
 - CE :
 - EN 301 406 V2.2.2 (2016-09)
 - EN 301 489-1 V2.2.0 (2017-03)
 - EN 301 489-6 V2.2.0 (2017-03)
 - IEC 61000-4-2 Level 3 criteria B
 - EN 61000-4-3 Level 3 criteria A
 - EN 62209-1:2016 / EN 62209-2:210
 - EN 50360 :2017
 - EN 50566 :2017
 - FCC :
 - Part 15 B
 - Part 15 D
 - Part 68
 - IC :
 - ICES-003
 - RSS-213
 - RSS-102
 - CS-03
 - RCM :
 - AS/NZS CISPR 32
 - AS/NZS 2772.1
 - AS/NZS 2772.2: 2011
 - AS/CA S004
 - AS/CA S040
 - Safety :
 - IEC 62368-1 : 2014 (Second Edition)
 - EN 62368-1 : 2014 + A11:2017
 - NRTL
 - DOE
 - NRCan
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