



RTX8436

IMPROVED ENTRY LEVEL HANDSET
PRODUCT SHEET

Third generation entry level handset RTX8436 is a cost-efficient handset that covers basic needs for telephone and mobility for small businesses and enterprises.

RTX8436 ENTRY LEVEL HANDSET

WHEN CLEAR AND TIMELY COMMUNICATION MATTER

Having clear and timely communication often makes the difference between good or bad service giving to colleagues and/or customers in several industries. At RTX, we design, develop, and manufacture wireless IP telephony products and sub-systems used in communications systems for professional use. With over 25 years of DECT experience, we have gained the expertise to deliver products with outstanding audio quality and much wider range compared to other solutions in the market.

We offer the RTX8436 handset - a third generation entry level handset designed for professional use with a rugged design, bigger display, and longer standby and talk time - a perfect fit for users in small businesses and enterprises, such as offices and retail stores.



Figure 1: RTX8436 handset in charger

IMPROVED FEATURES

With the RTX8436 handset, you gain several useful improvements. Physically, it has a bigger display (2" TFT display) which improves the visibility on functions and actions. Furthermore, it comes with a belt-clip which makes it easy for you to have it on you while performing other tasks.

The handset comes with a Li-ion battery pack (1100 mAh Li-ion) which has improved the talk time to 22 hours and the standby time to 350 hours - this provides great flexibility and allows you to bring it away from the base for your entire workday. Furthermore, it can store 50 call logs for you to react on missed calls and provide the needed service.

PART OF A COMPLETE SOLUTION

The RTX8436 is compatible with the RTX9431 singlecell DECT solution, as well as the RTX8663 multicell DECT solution. Being compatible makes it a flexible handset 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, as well as connecting 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)
- 2" TFT display, 176 x 220 pixels
- Polyphonic ringtones
- Local phonebook
- Central phonebook support
- Firmware upgradable over-the-air
- Wideband speakerphone
- 1 RTX8436 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

- 2"
- 176 x 220 pixels
- 64k color

RUBBER KEYPAD

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

SIZE AND WEIGHT

- Without belt clip: 127.9 x 48 x 20.43mm (H x W x D),
- With belt clip: 127.9 x 53.3 x 25.34 (H x W x D)
- Weight: 110g 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 50 entries (all, received, outgoing, missed)
- Redial from call list
- Speed dial
- Central phonebook support (one LDAP server)
- Local phonebook with 100 entries (4 numbers / names)
- Date and time in idle display
- DND support
- CFU / CFB / CFx support
- Call waiting
- Conference call
- Noise reduction

PERFORMANCE

- Talk time: 22 hours (NB), 14 hours (WB)
- Standby time: 350 hours
- Battery type: Li-Ion, 1100 mAh
- Range:
 - Indoor: 50m
 - Outdoor: 300m

ENVIRONMENTAL CONDITIONS

- IP40 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
 - 1A USB charger
 - Compatible with RTX8631 charger

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