

# Alcatel-Lucent 8244 SIP-DECT Handset

The [Alcatel-Lucent 8244 SIP-DECT Handset](#) is a robust handset that delivers enriched business communication features and emergency call services.

The 8244 SIP-DECT Handset offers an extra-large color screen, great audio quality and a noise reduction feature to handle conversations, even in noisy environments.

The wireless handset includes Bluetooth connectivity for the headset so users can stay hands-free and make calls safely.

Users in industrial, healthcare and office environments will appreciate the secure, rubber-backed grip.

The alarm button and enhanced screwed belt clip provide additional support for lone workers.

The geolocation capability, enabled by Bluetooth Low Energy (BTLE) and beacons, provides location accuracy within 10 meters. Precious seconds can save a life when a rescue team is sent to the correct floor.

The Alcatel-Lucent 8244 SIP-DECT handset is compatible with Alcatel-Lucent 8328 and 8368 SIP-DECT base stations.



Features	Benefits
Reach business telephony features	Enjoy all the business communication features and Bluetooth connectivity accuracy
Large color screen	Navigate and easily contact colleagues and customers
Quality HD audio in noisy environments	Handle conversations with comfort and accuracy
Robust and stylish design	Better grip for day-to-day intensive usage, and modern design for customer use
Emergency alarm button	Trigger help quickly with features such as alarm buttons and beacon-based geolocation

## Technical specifications

### Physical characteristics

- 8244 SIP-DECT Handset box contains handset, battery, belt clip and safety sheet
- Color: Blue
- Graphic display: 2.4 in, 320 x 240 pixels, 65,000 colors
- Display backlight: White
- Keypad backlight: White
- Hands-free, mute
- Vibrator
- Headset: 3.5 mm jack, TRRS-compliant 1
- Left side
  - + and - volume control keys
  - Lock keypad
- Front
  - 3 contextual keys
  - Answer, Hang-up/Off keys
  - 4-way navigation, OK key
  - 2 programmable keys and one home key
- Top
  - Alarm key

### Dimensions

- Height: 140 mm (5.59 in)
- Width: 48.5 mm (1.91 in)
- Depth: 21 mm (0.83 in)
- Weight: 155 g (5.46 oz)

### 8244 DECT battery pack

- Easily replaceable, 1,100-mAh lithium-ion battery
- Talk time: Up to 17 hours
- Standby time: Up to 160 hours
- Charging time: Less than 3 hours

### Radio specification

- DECT frequency band
  - DECT Europe: 1880 MHz to 1900 MHz
  - DECT 6.0 North America: 1920 MHz to 1930 MHz
  - DECT Latin America: 1910 MHz to 1930 MHz, except Brazil 1910 MHz to 1920 MHz
  - DECT Asia: 1900 MHz to 1920 MHz
- Handover: Bearer, connection, external
- Out-of-coverage signaling
- Antenna diversity
- Automatic band switching for cruise ship applications

### Wireless security

- Identity
- Authentication
- Encryption Step-C (DSC2)

### Bluetooth 5.1

- Headset profile
- Hands-free profile
- Proximity profile

### Registration

- Up to four systems
- Manual selection
- Automatic selection

### Audio codecs

- G726, G722

### Detailed features

- Handset MMI languages: English, French, German, Spanish, Italian, Dutch, Portuguese, Danish, Swedish, Norwegian, Turkish, Polish, Russian, Croatian, Serbian, Slovenian
- Hands-free, microphone mute
- For status indication: Three colors (green/orange/red) for battery status, missed calls, messages
- Ring tones and vibrate mode
  - 12 user-selectable polyphonic tones
  - Volume control: 6 values
- Date and time
- Supports CAT-IQ protocol with ALE SIP-DECT base stations
- Contact: Up to 200 with 4 numbers per contact
- Central directory through SIP-DECT base station
- Call by name using contact and central directory
- Call log: Local call log
  - All, answered, dialed, missed
  - Up to 100 call logs entries
- Messages
  - Message length: 160 characters
  - Call log: Up to 150 messages
- 9 speed dial keys and 2 programmable keys: P1/P2 keys
- Ambient noise reduction
- Keypad lock
- Multiline, multiple SIP accounts management
- Push to talk feature

### Alarms and notifications

- Alarm button call and messages (long-press or multiple presses)
- Bluetooth Low Energy (BTLE) beacon detection
- Status call (reports on/off status)
- Notification messages: Normal, Urgent, Very urgent, with call back request

- 6 specific notification ring tones
- Alarm acknowledgement
- Compatible with several alarm servers
- Notification call log: Up to 200 messages
- Pre-alarm management
- Howling audio signal for handset location

### Location

- Triangulation with up to 4 SIP-DECT base stations
- Precise location through BTLE beacon detection
- Data transmitted with notification, external server is required

### Serviceability

- Triangulation with SIP-DECT base stations
- Location through BTLE beacon
- External server required

### Software management tool

- USB download tool
- DECT Handsets Unified Support Tool

### Operating environment

- Operating temperature
  - -10°C to +50°C (14°F to +122°F) (restrictions from class 7.3, see (\*) under "Environmental")
  - +5°C to +40°C (41°F to +104°F) for charging
- Storage temperature
  - -25°C to +55°C (-13°F to +131°F)
- Transport temperature
  - -40°C to +70°C (-40°F to +158°F)

### Free fall tests

- Standard product IEC 60068-2-32, procedure 1 dropped 12 times on concrete floor, extended to 2 meters
- Dropped 5 times on each side from 1.2 m

### Chemical resistance test

- 85% concentration of methylated ethanol
- 95% ethyl alcohol
- 85% concentration of isopropyl alcohol
- Bleach/sodium hypochlorite (1:50)
- Clorox disinfection wipes (contains ammonium chloride)
- Hydrogen peroxide 3%
- 60% chlorhexidine 0.5 mg/ml
- 3% hydrochloric acid

- Sweat fluid PH 2.5
- Sweat fluid PH 8.6
- Nivea hand creams SPF 15
- Johnson Pledge Furniture Polish
- Undiluted dishwasher detergent
- Engine oil

### Regulation

- EU directives
  - ↳ 2014/53/EU (RED)
  - ↳ 2011/65/EU & 2015/863 (RoHS)
  - ↳ 94/62/EC (Packaging and Packaging Waste)
- EU regulations
  - ↳ 2023/1542 (Battery)
  - ↳ 2023/1670 (Ecodesign)
- Safety
  - ↳ IEC/UL/CSA/EN 62368-1
- EMC standards
  - ↳ EN 301 489-1
  - ↳ EN 301 489-6
  - ↳ EN 301 489-17
  - ↳ IEC/EN61000-4-2 (Level 3 criteria A)
- SAR
  - ↳ Europe: EN 50360 & EN 50566
  - ↳ Canada: RSS-102
  - ↳ Australia/NZ: EN62209-1/EN62209-2
  - ↳ US: IEEE 1528 and KDB procedures (DECT + Bluetooth)
    - 0.016 W/kg 10g head
    - 0.004 W/kg 10g body
  - ↳ SAR USA/Canada (DECT)
    - 0.024 W/kg 1g head
    - 0.008 W/kg 1g body
  - ↳ SAR USA/Canada (Bluetooth)
    - 0.038 W/kg 1g head
    - 0.104 W/kg 1g body
  - ↳ SAR USA/Canada (DECT + Bluetooth)
    - 0.062 W/kg 1g head
    - 0.112 W/kg 1g body
- Acoustic shock
  - ↳ Europe: EG 202 518

- Audio, hearing aid
  - ↳ US: FCC part 68.316 and 68.317
  - ↳ Canada: CS-03 part V
  - ↳ Australia/NZ: AS/ACIF S040
  - ↳ Australia: AS/ACIF S004

### Radio frequency

- DECT
  - ↳ CAT-iq 2.0 including
    - EN 300 176-2 (Audio)
    - ETSI TBR22/A1 (GAP)
  - ↳ ETSI TS 102 841 (Profile test)
    - Full support of the DECT Security step C, as specified by the DECT forum
- DECT Radio standards
  - ↳ EN 301 406
  - ↳ FCC 47 CFR Part 15 - Subpart D
  - ↳ RSS-213
- Bluetooth Radio standards
  - ↳ EN 300 328
  - ↳ FCC 47 CFR Part 15 - Subpart C
  - ↳ RSS-247
  - ↳ AS/NZS 4268

### Environmental

- Operation: (\*) ETS 300 019 part 1-7 class 7.3 (with restrictions): Partly weather protected and non-weather protected locations
- Storage: ETS 300 019 part 1-1 class 1.2: Weather protected, not temperature-controlled storage locations
- Transport: ETS 300 019 part 1-2 class 2.3: Public transportation IP Class
- IP Class (IEC 60529): IP40

## Ordering information

### Handset

- 3BN67398AA 8244 SIP-DECT Handset

### Accessories

- 3BN67371AA 82x4 DECT Handset Desktop charger
- 3BN67372AA 82x4 DECT Handset Dual Desktop charger
- 3BN67382AA 82x4 DECT Handset Rack charger
- 3BN67374AA 82x4 DECT Handset Belt clip
- 3BN67375AA 82x4 DECT Handset Swivel clip
- 3BN67376AA 82x4 DECT Handset Belt Clip Cover
- 3BN67385AA 8244 DECT Handset Battery Door (x10)
- 3BN67381AA 8244 DECT Handset Vertical Pouch

### Common DECT accessories

- 3BN67332AA DECT Handset battery
- 3BN67335AA DECT Desktop charger PSU Europe
- 3BN67336AA DECT Desktop charger PSU WW
- 3BN67377AA DECT Desktop charger power supply India

### Recommended Bluetooth headsets

- 3MH37051AA AD51 DECT headset monaural
- 3MH37052AA AD52 DECT headset binaural