

# Alcatel-Lucent 8242 DECT Handset

The [Alcatel-Lucent 8242 DECT Handset](#) offers a rich on-site mobility communication experience, that leverages all of the capabilities of the powerful Alcatel-Lucent OmniPCX® Enterprise Communication Server and Alcatel-Lucent OXO Connect.

Day-to-day communication activities are made easier for mobile workforces, with new 8242 DECT features including a large color screen for crystal-clear readability, HD audio-ready technology for superior sound quality, Bluetooth technology for headset use, as well as USB connectivity.

Designed as a high-end business terminal, the 8242 DECT Handset also provides notification and location capabilities, as well as a one-button alarm function to address vertical markets such as hospitality, healthcare or any other on-demand environment.



Features	Benefits
Alcatel-Lucent telephony protocol (AGAP)	Enjoy all the business communication features such as easy access to the corporate directory and the desk phone twinset
Large color screen	Easily navigate and contact colleagues or customers
Software upgrade over the air (SUOTA) through all ALE DECT base stations on OXE	Benefit from over air software updates on all devices
Embedded alarm applications: Notification and Location-based Services	Address vertical markets such as hospitality, healthcare (patient call) or any other on-demand environment
Alarm button	Provide first-response more quickly
Bluetooth connectivity	Connect a wireless headset for more comfort while moving about
Compatibility with 8378 IP-xBS base station	Leverage the existing IP network and protect your infrastructure investment
Location alarm signal	Easily locate the user when an alarm is triggered

## Datasheet

[Alcatel-Lucent 8242 DECT Handset](#)

## Technical specifications

### Physical characteristics

- Box contains handset, battery, belt clip and regulatory notice
- Color: Black
- Graphic display: 2.4 in.; 65,000 colors; 320 x 240 pixels
- Display backlight: White
- Keypad backlight: Blue
- Belt clip: Spring-loaded; optional swivel clip
- Headset jack: 3.5 mm; TRRS compliant

### Dimensions

- Height: 142 mm (5.59 in.)
- Width: 51 mm (2.00 in.)
- Depth: 23 mm (0.90 in.)
- Weight: 135 grams (4.76 oz)

### Mechanical characteristics

- Charging on desktop charger or micro-USB type B connector

### 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 specifications

- DECT
- Frequency band
  - DECT Europe: 1880 MHz - 1900 MHz
  - DECT 6.0 North America: 1920 MHz - 1930 MHz
  - DECT Latin America: 1910 MHz - 1930 MHz (except Brazil 1910 - 1920 MHz)
  - DECT Asia: 1900 MHz - 1906 MHz
- Handover: Bearer, connection, external
- Out-of-coverage signaling
- Antenna diversity

### Bluetooth V3.0

- Headset profile
- Hands-free profile

### Wireless security

- Identity
- Authentication
- Encryption

### Registration

- Up to four systems
- Manual selection
- Automatic selection

### Audio CODECs

- G726
- G722 wideband ready

### Detailed features

- System languages: Communication server-dependent
- Handset MMI languages (GAP mode and system-independent features)
  - English
  - French
  - German
  - Spanish
  - Italian
  - Dutch
  - Portuguese
  - Danish
  - Swedish
  - Norwegian
  - Finnish
  - Turkish
  - Polski
- Hands-free, microphone mute and vibrate modes  
LED for status indication; three colors (green/orange/red) for battery status, missed calls and messages
- Ring tones
  - Six user-selectable polyphonic tones
  - Volume control: four settings; meeting mode
- Supports all AGAP features on communication servers with TDM infrastructure
- Supports all AGAP (Alcatel-Lucent Generic Access Profile) features on the Alcatel-Lucent communication call servers with IP-xBS infrastructure
- Call by name: Personal and system directory
- Call log: Centralized call log
- Call log (GAP mode):
  - All, answered, dialed, missed
  - Up to 50 call logs
- Contacts (GAP mode)
  - Name, up to 4 numbers per contact
  - Up to 50 contacts and 500 with Memory SD card (Optional)
  - 8 speed-dial options

- Audio and LED message signaling
- Programmable keys: F1/F2 keys
- Calendar application:
  - Subject, location, reminder
- Memory SD card (optional): Stores user data

### Alarm notification

- Periodic live call (every 30 to 999 seconds, default 90 seconds)
- Alarm button call (Alarm key long push)
- Task progress call (up to 9 distinctive actions)
- Status call (reports on/off status, in/out charger)
- Incoming call: Normal, urgent, very urgent, hands-free, specific ringtones
- Alarm acknowledgement

### Location

- Triangulation with up to 4 DECT base stations
- Data transmitted with notification messages
- External server required
- Location audio signal

### Operating environment

- Operating temperature: 14°F to 104°F (-10°C to +40°C)
- Storage temperature: -13°F to +131°F (-25°C to +55°C)

### Serviceability

- Site survey tool
- Diagnostic mode
- Syslog mode
- Software update over the air (SUOTA) ready on 8378 IP-xBS and TDM base stations on OmniPCX Enterprise Communication Server

### Software management tools

- DECT Handsets Unified Support Tool
- USB download

### Regulatory

- EU directives
  - 2014/53/EU (RED)
  - 2011/65/EU
  - 2015/863 (RoHS)

## Safety

- EN 60950-1
- IEC 60950-1
- UL 60950-1 ed2
- CAN/CSA C22.2 60950-1-07 ed02

## EMC and radio

- EN 301 489-1
- EN 301 489-6
- IEC/EN 61000-4-2 Level 3 criteria B
- IEC/EN 61000-4-3 Level 3 criteria A
- EN 301 406 (TBR6)
- FCC 47CFR part 15 subpart D
- IC RSS-213

## SAR

- EN 50360
- IEE 1528
- RSS-102
- SAR value: 0.018 W/kg

## Audio, hearing aid

- FCC 47CFR Part 68
- Canada: CS-03 part V
- Australia: ACIF S040

## DECT

- EN 301 406 (TBR6)
- EN 300 176-2 (TBR10)
- EN 300 175-8 (DECT audio)
- TBR22
  - ETSI TS 102 841 (security)
- Full support of the DECT Security EN300 444 feature N35 and N36, as specified by the DECT forum

## Bluetooth

- EN 301 489-17
- EN 300 328 Radio
- RF AS/NZS4268
- FCC part15-C
- RSS-210

## Local regulations

- Australia: AS/CA S004
- US/Canada: FCC 47 CFR part 68
- New Zealand: PTC220

## Acoustic shocks

- UL 60950-1 Annex NAD
- EG 202 518

## Environmental

- Operation: ETS 300 019 part 1-7 class 7.2
- Storage: ETS 300 019 part 1-1 class 1.2
- Transport: ETS 300 019 -part 1-2 class 2.3
- IP Class: EN 60529 IP40

## Accessories

- 3BN67331AB desktop charger: Charges one handset (with USB cable)
- 3BN67341AA Dual charger: Charges one handset and one spare battery (with USB cable)
- 3BN67335AA power supply for European plugs
- 3BN67336AA power supply for US, UK and Australian plugs
- 3BN67332AA spare battery
- 3BN67333AA spare belt clip
- 3BN67334AA swivel clip
- 3BN67343AA vertical pouch
- 3BN67344AA horizontal pouch