

# Alcatel-Lucent Enterprise 8214 DECT Handset

The [8214 DECT Handset by Alcatel-Lucent Enterprise](#) is a professional entry level handset that shares the sleek, compact modern DECT product family design. The 8214 DECT Handset offers telephony features either in GAP mode on Alcatel-Lucent DECT TDM and IP-xBS infrastructures or in CAT-iq mode on Alcatel-Lucent DECT SIP-DECT infrastructure. A 1.8 inch color screen that provides crystal clear readability makes day-to-day communications activities easier for the mobile workforce.

The compact design, large color screen and navigation button make the 8214 DECT Handset easy to use. Contacting colleagues is simple and quick.

Compatible with ALE DECT Handsets, the 8214 DECT Handset includes excellent audio and takes advantage of all accessories available for the 82x4 DECT range. The 8214 DECT Handset, charger and cable are sold together in one box.



Features	Benefits
Compatible with ALE communication servers and 8328/8368 SIP base stations	Users benefit from business communications using an affordable device.
User-friendly experience	Easy navigation with the help of the backlit colour screen; quickly access logs with the dedicated tool tips.
Robust design IP 40	A robust mobile handset for demanding environments.
Audio comfort	Take calls in handsfree mode, or on a headset. Up to 20h of talk time. The 8214 also includes the microphone mute function.
SUOTA through all ALE DECT base stations	Benefit from Software Update Over the Air (SUOTA) for all the devices.

## Datasheet

Alcatel-Lucent Enterprise 8214 DECT Handset

## Technical specifications

### Physical characteristics

- 3BN67392 8214 DECT Handset box contains handset, battery, desktop charger and safety sheet
- Colour: Blue
- Graphic display: 1.8 in, 128 x 160 pixels, 65,000 colours
- Display backlight: White
- Headset: Jack 3.5 mm, TRRS compliant
- Front
  - ↳ 3 contextual keys
  - ↳ Answer, Hang-up/Off keys
  - ↳ 4-way navigation, OK key
  - ↳ Menu back key

### Dimensions

- Height: 119 mm (4.68 in)
- Width: 48.5 mm (1.91 in)
- Depth: 21 mm (0.83 in)
- Weight: 107g (39 oz)

### 8214 DECT battery pack

- Easily replaceable, 1,100-mAh lithium-ion battery
- Talk time: Up to 20 hours
- Standby time: Up to 200 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 signalling
- Antenna diversity
- Automatic band switching for cruise ship applications

### Wireless security

- Identity
- Authentication
- Encryption

### Registration

- Single system registration

### Audio codecs

- G722, G726

### 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
- LED for status indication: Three colours (green/orange/red) for battery status, missed calls, messages
- Ringtones
  - ↳ Twelves user-selectable polyphonic tones
  - ↳ Volume control: Six values
- Supports GAP features on:
  - ↳ Alcatel-Lucent communication servers
  - ↳ TDM and IP-xBS infrastructure
- Supports CAT-iq features on:
  - ↳ Alcatel-Lucent SIP-DECT solution on RingCentral MVP® and Rainbow Hub servers
- Call by name:
  - ↳ On local directory (50 entries)
  - ↳ On central directory on SIP-DECT solution 8328 and 8368
- Local call log:
  - ↳ All, answered, dialled, missed
  - ↳ Up to 20 call logs
- Contacts:
  - ↳ Five numbers per contact
  - ↳ Up to 50 contacts
  - ↳ Eight speed-dial options

### Serviceability

- Site survey tool
- Diagnostic mode
- Software Update Over the Air (SUOTA)

### Software management tool

- USB download tool
  - ↳ DECT Handsets Unified Support Tool

### Operating temperature

- -10°C to + 50°C (14°F to 122°F)

### Charging temperature

- +5°C to + 40°C (41°F to 104°F)

### Free fall tests

- Standard product IEC 60068-2-32, procedure 1, dropped 12 times on hard wood floor, extended to 2 meters

### Chemical resistance test

- 85% concentration of methylated ethanol
- 99% concentration of isopropyl alcohol
- 60% chlorhexidine 0.5 mg/ml
- 3% hydrochloric acid
- Undiluted dish washer detergent

### Regulation

- EU directives
  - ↳ Radio Equipment Directive; 2014/53/EU
  - ↳ ROHS 2011/65/EU and 2015/ 863/EU
  - ↳ WEEE 2012/19/EU
- Safety
  - ↳ IEC 62368-1
  - ↳ UL 62368-1
  - ↳ CAN/CSA-C22.2 No.62368-1-14
- EMC
  - ↳ EN 301 489-01 V2.2.3
  - ↳ EN 301 489-06 V2.2.1
  - ↳ IEC61000-4-2 Level 3 criteria B
  - ↳ EN61000-4-3 Level 3 criteria A
  - ↳ AU: EN 55032
  - ↳ EN 55035
  - ↳ EN 61000-3-2
  - ↳ EN 61000 -3-3
  - ↳ USA: 47 CFR FCC part 15, Subpart B
  - ↳ CAN: ICES-003 Issue 7
- Radio DECT
  - ↳ EU: EN 301 406
  - ↳ USA: FCC CFR47 Part 15D
  - ↳ CAN: IC RSS-213 Issue 3

### SAR

- EU: EN62209-1/EN62209-2
- USA: FCC 47 CFR part 2.1093
- CAN: RSS-102
- AU/NZS 2772.1; 2772.2
- SAR Europe/Australia
  - ↳ 0.05 W/kg 10g head
  - ↳ 0.05 W/kg 10g body
- SAR USA/Canada
  - ↳ 0.05 W/kg 1g head
  - ↳ 0.05 W/kg 1g body

### Audio hearing aid

- USA/Canada: Section 68.316 and 68.317 of FCC 47 C.F.R.
- Australia/NZ: AS/ACIF S040

## DECT protocol specifications

- ETSI GAP compliant
- DECT Security, DECT encryption
- Roaming and seamless handover
- ETSI TS 102 841 (security): Full support of the DECT Security EN300 444 feature N35 and N36, as specified by the DECT forum

## Environmental

- ETSI
  - Operation: ETSI EN 300 019-1-7-class 7.3; Temp: -10°C to + 50°C (14°F to 122°F)
  - Storage: ETSI EN 300 019-1-1-class 1.2; Temp: -25°C to + 55°C (-13°F to 131°F)

- Transport: ETSI EN 300-019-1-2-class 2.3; Temp: -40°C to + 70°C (-40°F to 158°F)

- IP Class
  - IP Class (IEC 60529): IP40

## Accessories

- 3BN67371AA 82x4 DECT Handset Desktop charger
- 3BN67372AA 82x4 DECT Handset Dual Desktop charger
- 3BN67382AA 82x4 DECT Handset Rack charger
- 3BN67379AA 8214-8234 DECT Handset Vertical pouch
- 3BN67383AA 8214-8234 DECT Handset battery doors (x10)

- 3BN67374AA 82x4 DECT Handset Belt clip
- 3BN67375AA 82x4 DECT Handset Swivel clip
- 3BN67376AA 82x4 DECT Handset Belt Clip Cover
- Common accessories with 82x2 Range
  - 3BN67332AA DECT Handset battery
  - 3BN67335AA DECT Desktop charger PSU Europe
  - 3BN67336AA DECT Desktop charger PSU WW
  - 3BN67377AA DECT Desktop charger power supply India