

Alcatel-Lucent 8234 DECT Handset

The [8234 DECT Handset by Alcatel-Lucent](#) is a compact handset that provides business communication features. With the Alcatel-Lucent Enterprise telephony protocol, Alcatel-Lucent Generic Access Profile (AGAP), users can access the corporate directory and couple the handset with ALE DeskPhones to ensure a call is never missed.

The compact design, large color screen, and navigation button make the 8234 DECT Handset easy to use. Contacting colleagues is simple and quick. At-a-glance, see the missed calls or messages with the help of the tool tip, and access the logs with the single press of a button.

Compatible with ALE DECT handsets, the 8234 DECT Handset includes excellent audio and an enhanced screwed belt clip.

Elegant and robust, the 8234 DECT Handset addresses office and industrial employees' needs. Compatible with Alcatel-Lucent TDM and IP base stations, companies can leverage the existing infrastructure and protect their investments.



Features	Benefits
Alcatel-Lucent telephony protocol (AGAP)	Enjoy business communication features including easy access to the corporate directory and the ALE DeskPhone twinset.
User-friendly experience	Easily navigate with the help of the backlit colour screen, and quickly access logs with the dedicated tool tips.
Robust design IP 40	A robust mobile handset for demanding environments. It includes a screwed belt-clip.
Audio comfort	Take calls in handsfree mode, or on a headset. Up to 20h of talk time. The 8234 also includes the microphone mute function.
Supports large Alcatel-Lucent OmniPCX® Enterprise Communication Server (OXE) campus configurations and compatible with IP-xBS base stations	Easy to deploy. Save time and money even in complex and large environments.
SUOTA through all ALE DECT base stations	Benefit from Software Update Over the Air (SUOTA) for all the devices.

Technical specifications

Physical characteristics

- 8234 DECT Handset box contains handset, battery, belt clip and safety sheet
- Colour: Blue
- Graphic display: 1.8 in, 128 x 160 pixels, 65,000 colours
- Display backlight: White
- Keypad backlight: White
- Hands-free, mute
- Vibrator
- Headset: Jack 3.5 mm, 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

Dimensions

- Height: 119 mm (4.68 in)
- Width: 48.5 mm (1.91 in)
- Depth: 21 mm (0.83 in)
- Weight: 117g (4.13 oz)

8234 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

- Up to four systems
- Manual selection
- Automatic selection

Audio CODEC

- G726

Detailed features

- System languages: Communication Server dependent
- Hands-free, microphone mute
- LED for status indication: Three colours (green/orange/red) for battery status, missed calls, messages
- Ringtones and vibrate mode
 - Six user-selectable polyphonic tones
 - Volume control: Four values, meeting mode
- Supports all AGAP features on the Alcatel-Lucent communication call servers with IP-xBS infrastructure
- Call by name: Personal and system directory on the call server
- Call log: Centralized call log
 - All, answered, dialled, missed
 - Up to 50 call logs
- Audio and LED message signalling
- Automatic Gain Control

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

- 5°F to 131°F (-15°C to + 55°C)

Charging temperature

- 41°F to 104°F (+5°C to + 40°C)

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
- 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 dish washer detergent
- Engine oil

Regulation

- EU directives
 - Radio Equipment Directive; 2014/53/EU
 - ROHS 2011/65/EU and 2015/863/EU
 - EU directive 2014/30/EU on Electromagnetic Compatibility Directive
 - WEEE 2012/19/EU
- Safety
 - IEC 62368-1
 - EN 62368-1
 - UL 62368-1 2nd edition
 - CAN/CSA-C22.2 No.62368-1-14
- EMC
 - EN 301 489-01 V2.2.2
 - EN 301 489-06 V2.2.1
 - EN 301 489-17 V3.2.2
 - 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
 - AU: ASNZS CISPR32
 - USA: 47 CFR FCC part 15, Subpart B
 - CAN: ICES-003 Issue 6
- 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
 - 0.035 W/kg 10g head
 - 0.024 W/kg 10g body
 - SAR USA/Canada
 - 0.04 W/kg 1g head
 - 0.02 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
- Alcatel-Lucent AGAP protocol
- 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

- ETS
 - Operation: ETSI EN 300 019-1-7-class 7.3; Temp: 5°F to 131°F (-15°C to + 55°C)
 - Storage: ETSI EN 300 019-1-1- class 1.2; Temp: -13°F to 131°F (-25°C to + 55°C)

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

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

Ordering information

Handset

- 3BN67378AA 8234 DECT Handset

Accessories

- 3BN67371AA 82x4 DECT Handset Desktop charger
- 3BN67372AA 82x4 DECT Handset Dual Desktop charger
- 3BN67382AA 82x4 DECT Handset Rack charger
- 3BN67353AA DECT handset PSU WW for Rack charger
- 3BN67379AA 8234 DECT Handset Vertical pouch
- 3BN67383AA 8234 DECT handset battery door (x10)

- 3BN67374AA 82x4 DECT Handset Belt clip
- 3BN67375AA 82x4 DECT Handset Swivel clip
- 3BN67376AA 82x4 DECT Handset Belt Clip Cover

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
- 3BN67339AB DECT interface for firmware update