

Alcatel-Lucent 8254 DECT Handset

The Alcatel-Lucent 8254 DECT Handset is a ruggedized IP65 handset that provides business communication features. The Alcatel-Lucent telephony protocol (AGAP) lets users access the corporate directory and couple with Alcatel-Lucent DeskPhones to ensure a call is never missed.

Compatible with Alcatel-Lucent DECT handsets, the 8254 DECT Handset is perfect for vertical industries such as healthcare and retail. This robust wireless handset can withstand a 2-meter drop onto concrete. Antibacterial by design and easy to clean, make this device ideal for medical staff use. The plastics, lens and rubber components have an antibacterial treatment, and the keypad is designed without interstice, ensuring a greater level of hygiene.

The 8254 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. The rubber elements also provide a better grip for a day-to-day usage even when wearing gloves.

The 8254 DECT Handset is compatible with Alcatel-Lucent TDM and IP base stations, leveraging the existing infrastructure and protecting your investments.



Features	Benefits
Alcatel-Lucent telephony protocol (AGAP)	Enjoy business communication features including easy access to the corporate directory and the deskphone twinset. Compatibility with existing Alcatel-Lucent DECT handsets.
Affordable ruggedized handset	Access to the complete Alcatel-Lucent ruggedized handset offer. The 8254 DECT can withstand a 2-meter drop onto concrete.
Ruggedized IP65 handset	Designed for demanding environments, this device is water and dust resistant
Antibacterial plastics	Easy to clean keypad: designed without interstice for greater hygiene. Antibacterial treatment on plastics, lens and rubber.
Large color display	Navigate and easily contact colleagues and customers
Isolated Worker Protection services	Trigger help quickly with features such as alarm buttons
Investment protection	Leverage existing infrastructure with Alcatel-Lucent TDM and IP base station device compatibility

Technical specifications

Physical characteristics

- 8254 DECT Handset box contains handset, battery, belt clip and safety sheet
- Color: Blue
- Graphic display: 1.8 in, 128 x 160 pixels, 65,000 colors
- Display backlight: White
- Keypad backlight: White
- Hands-free, mute
- Vibrator
- Headset: Jack 3.5 mm, TRRS compliant 1
- Antibacterial plastics:
 - Test method: ISO 22196 antibacterial reduction rate: log rate >3 (99.9%)
 - Plastic Parts
 - TPEE Parts
 - Lens coating
 - Clip rubber grip
 - Keyboard
- Keypad membrane, easy to clean
- Left-side:
 - + and - volume control keys
 - Lock keypad/alarm button
- Front:
 - 3 contextual keys
 - Answer, Hang-up/Off keys
 - 4-way navigation, OK key

Dimensions

- Height: 126 mm (4.96 in)
- Width: 48.5 mm (1.91 in)
- Depth: 21 mm (0.83 in)
- Weight: 132 g (4.66 oz.)

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 specifications

- 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

Registration

- Up to four systems
- Manual selection
- Automatic selection

Audio CODECs

- G726

Detailed features

- System languages: Communication Server dependent
- Hands-free, microphone mute
- LED for status indication: Three colors (green/orange/red) for battery status, missed calls, messages
- Ring tones and vibrate mode:
 - Six user-selectable polyphonic tones
 - Volume control: Four values, meeting mode
- 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 on the call server
- Call log: Centralized call log:
 - All, answered, dialed, missed
 - Up to 50 call logs
- Audio and LED message signaling
- Automatic Gain Control

Alarms and Notifications

- Alarm button call (long-press or multiple press)
- Alarm acknowledgement protected by password

Location

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

Operating environment

- Operating temperature: 23°F to 113°F (-5°C to + 45°C)
- Charging temperature: 41°F to 104°F (+5°C to + 40°C)

Serviceability

- Site survey tool
- Diagnostic mode
- Software update over the air (SUOTA)

Languages

- Multi-language support (menu): Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Polish, Russian, Spanish, Swedish and Turkish

Software management tools

- DECT Handsets Unified Support Tool
- USB download

Free fall tests

- Standard product IEC 60068-2-32, procedure 1, dropped 12 times on concrete floor, extended to 2 meters
- IEC 68-2-32, procedure 2, dropped 1,000 times from 0.5 m

Chemical resistance test

- EN ISO 2812-4
- 99% concentration of isopropyl alcohol
- Undiluted dish washer detergent
- 3% hydrochloric acid
- M-alcohol (85% methylated ethanol)
- 60% chlorhexidine 0.5 mg/ml

Regulatory

EU directives

- Radio Equipment Directive; 2014/53/EU
- ROHS 2011/65/EU and 2015/863/EU
- Limitation of exposure of public to Electromagnetic fields 1999/519/EC
- 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
- EN 301 489-06
- EN 301 489-17 V3.2.2
- IEC61000-4-2 Level 3 criteria B
- AU: EN 55032
- EN 55035
- EN 61000-3-2
- EN 61000 -3-3
- US: 47 CFR FCC part 15, Subpart B
- CAN: ICES-003 Issue 6

Radio DECT

- EU: EN 301 406
- USA: FCC CFR47 Part 15D

SAR

- EU: EN62209-1 /EN62209-2
- USA: FCC 47 CFR part 2.1093
- CAN: RSS-102
- AU/NZS 2772.1; 2772.2
- SAR : 0,05 W/Kg

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 7.2; Temp: 23°F to 113°F (-5°C to + 45°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 (IEC 60529): IP65

Ordering information

Handset

- 3BN67370AA 8254 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
- 3BN67373AA 8254 DECT Handset Vertical pouch
- 3BN67384AA 8254 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 82xx DECT Handset Battery
- 3BN67335AA 82xx DECT Desktop charger PSU Europe
- 3BN67336AA 82xx DECT Desktop charger PSU WW
- 3BN67339AB DECT interface for firmware update