

Alcatel-Lucent Enterprise 8244 DECT Handset

The [Alcatel-Lucent Enterprise 8244 DECT Handset](#) is a robust handset, offering enriched business communication features and lone worker protection services. The Alcatel-Lucent Enterprise telephony protocol, Alcatel-Lucent Generic Access Profile (AGAP), lets users access the corporate directory to couple the handset with ALE DeskPhones.

The 8244 DECT Handset offers an extra-large color screen, great audio quality, and Automatic Gain Control (AGC) to handle conversations even in noisy environments. The wireless handset includes Bluetooth® connectivity for the headset to keep hands free and safely make calls.

Designed for industrial, healthcare, and office environments, users benefit from the 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.

Compatible with Alcatel-Lucent Enterprise TDM and IP base stations, companies can leverage 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. Compatible with existing ALE DECT Handsets.
Large colour 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.
Isolated Worker Protection services	Trigger help quickly with features such as alarm buttons and beacon-based geolocation.
Protect investment	Leverage existing infrastructure with this ALE TDM and IP base station compatible device.

Datasheet

[Alcatel-Lucent Enterprise 8244 DECT Handset](#)

Technical specifications

Physical characteristics

- 3BN67380 8244 DECT Handset Box contains handset, battery, belt clip and safety sheet
- Colour: Blue
- Graphic display: 2.4 in, 320 x 240 pixels, 65,000 colours
- Display backlight: White
- Keypad backlight: White
- Hands-free, mute
- Vibrator
- Headset: Jack 3.5 mm, TRRS compliant 1
- Bluetooth® 4.2
- 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 signalling
- Antenna diversity
- Automatic band switching for cruise ship applications

Wireless security

- Identity
- Authentication
- Encryption

Bluetooth® 4.2

- Headset profile
- Hands-free profile
- Compatible with Bluetooth® beacon

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: Four colors (green/orange/red/blue) for battery status, missed calls, messages, and Bluetooth®
- Ringtones and vibrate mode
 - Six user-selectable polyphonic tones
 - Volume control: Four values, meeting mode
- Supports all AGAP features on 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 100 call logs
- Audio and LED message signalling
- Automatic Gain Control
- Programmable keys: P1/P2 keys
- SD card (optional): Stores user data and duplicates setting to other 8244 DECT Handsets

Alarms and Notifications

- Alarm button call (long-press or multiple press)
- Alarm acknowledgement protected by password
- Periodic live call (every 30 to 999 s, default 90 s)
- Events using Bluetooth Low Energy (BTLE) technology
- Task progress call (up to nine distinctive actions)

- Status call (reports on/off status, in/out charger)
- Incoming call: Normal, Urgent, Very urgent, Hands-free, specific ringtone

Location

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

Serviceability

- Site survey tool
- Diagnostic mode
- Software update over the air (SUOTA) on Alcatel-Lucent OmniPCX® Communication Server (OXE)

Software management tool

- USB download tool
- DECT Handsets Unified Support Tool

Operating temperature

- 5°F à 131°F (-15°C à + 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 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 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
 - 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/AU: EN 301 406
 - USA: FCC CFR47 Part 15D
 - CAN: IC RSS-213 Issue 3
 - EU: EN 300328 V2.1.1
 - Bluetooth®
 - USA: FCC Part 15 247
 - CAN: IC RSS-247
 - AU: RF-AS/NZS 4268

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 (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

Audio hearing aid

- USA: Section 68.316 and 68.317 of FCC 47 C.F.R.
- CAN: CS-03 PART V, issue 9 + Amendment 2
- Australia/NZ: AS/ACIF S040

DECT protocol specifications

- ETSI GAP compliant
- CAT-iq 2.0
- 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

Accessories

- 3BN67371AA 82x4 DECT Handset Desktop charger
- 3BN67372AA 82x4 DECT Handset Dual Desktop charger
- 3BN67381AA 8244 DECT Handset Vertical pouch
- 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