ALCATEL-LUCENT 8262 DECT HANDSET

The Alcatel-Lucent 8262 DECT handset is the perfect communications companion for your mobile workforce operating in demanding environments such as construction, manufacturing or the oil and gas industry.

The 8262 DECT handset provides unparalleled robustness through 180 g (6.34 oz) of technology packed into a ruggedized body and shock-proof screen that survive falls from 2.0 m (6.6 ft). The specific shield and body grip make the 8262 DECT handset usable with gloves specific to your industry: chemistry, construction or metallurgy.

The 8262 DECT handset implements a full set of Isolated Worker Protection services to guarantee that lone workers are safe against incidents and accidents at the workplace. These include man-down, no movement, pull cord, and emergency button.

Isolated Worker Protection is even better when augmented with device geo-location. For the 8262 DECT handset, we have chosen the smart way – low cost and high precision. The device supports Bluetooth 4.0 Low Energy technology, radio transmitters are disseminated throughout the work yard, and intelligence is concentrated in the centralized management and supervision system.

Just like the 8242 DECT handset, the device for carpeted environments the 8262 DECT handset offers useful features for challenging environments: large color screen for crystal-clear readability, HD audio for superior sound quality, and Bluetooth technology for headset use.

FEATURES

- Rugged body for harsh environments
- Bluetooth Low Energy technology for high-accuracy geo-location
- Oversized alarm button
- Ergonomic design and intuitive operation
- Keypad and color display backlight
- Bluetooth 4.0 connectivity for accessory pairing

BENEFITS

- Robustness guarantees what your employees need most: staying connected with the rest of the organization.
- The Isolated Worker Protection services is your guarantee to deliver your workforce with a coherent set of innovations.
- Accuracy in device geo-location is the cornerstone of protection of individuals.
- The device is compatible with previously deployed Alcatel-Lucent DECT implementations to ensure investment protection.
- HD audio and common ergonomics with the 8242 DECT Handset assure immediate adoption by the user.

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TECHNICAL SPECIFICATIONS

Physical characteristics

- 3BN67345AA 8262 DECT Handset Box contains handset, battery, belt clip and safety sheet
- Color: Black
- Graphic display: 2.4 in, 320 x 240 pixels, 65,000 colors
- Display backlight: White
- Keypad backlight: Blue
- Hands-free, mute
- Vibrator
- Headset: Jack 3.5 mm, TRRS compliant
- Bluetooth® 4.0
- Battery charging on desktop charger or micro-USB type B connector

Dimensions

- Height: 145 mm (5.71 in)
- Width: 55 mm (2.16 in)
- Depth: 23 mm (0.9 in)
- Weight: 180 g (6.34 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 1906 MHz
- Handover: Bearer, connection, external
- Out-of-coverage signaling
- Antenna diversity
- Automatic band switching for cruise ship applications (requires IP-DECT)

Wireless security

- Identity
- Authentication
- Encryption

Bluetooth 4.0

- Headset profile
- Hands-free profile
- Proximity profile

Registration

- Up to four systems
- Manual selection
- Automatic selection
- Automatic Band switching, cruise ship (requires IP-DECT)

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
- 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 OmniPCX® call servers with TDM (time-division multiplexing) infrastructure
- Supports all AGAP features on OmniPCX Enterprise Communication Server with IP-DECT 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
- Programmable keys: F1/F2 keys
- SD card (optional): stores user data and duplicates setting to other 8262 Handsets
- Ambient noise reduction thanks to two microphones

Alarms and notifications

- Periodic live call (every 30 to 999 s, default 90 s)
- Alarm button call (long-press or multiple presses)
- Man down call (programmable to 30°, 40° or 60°)
- No movement call
- Pull cord (accessory)
- Shock call
- 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 ring tones
- Alarm acknowledgement
- Alcatel-Lucent OpenTouch® Notification Service (OTNS) compliant

Location

- Triangulation with up to 4 DECT base stations
- Location through BTLE beacon
- Data transmitted with notification
- External server required

Serviceability

- Site survey tool
- Diagnostic mode
- USB multiple devices download tool
- Software update over the air (SUOTA), requires IP-DECT

Software management tool

- USB Download tool
- DECT Handset Configuration tool

Operating environment

- Operating temperature: -10° C to +55°C (14°F to +131°F) (deviation from class 7.3, see *) under Environmental)
- Storage temperature: -25°C to +55°C (-13°F to +131°F)
- Transport temperature: -40°C to +70°C (-40°F to +158°F)

Free fall tests

- Handsets dropped 30 times from 1.2 m
- 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

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

Regulatory

- Eco design
  - ¬ WEEE: EU Directive 2012/19/EU
  - ¬ EU ROHS: EU Directive 2011/65/EU; EN 50581:2012
  - ¬ Waste of packaging: EU Directive 94/62/EC
  - ¬ Eco Design: 2009/125/EC; EC regulation No. 1275/2008 ; EN 50564:2011
  - ¬ Battery: EU Directive 2006/66/EC
- Safety:
  - ¬ Europe: IEC 60950-1, EN 60950-1
  - ¬ USA/Canada: CAN/CSA-22.2 No 60950-1-07 UL 60950-1
- EMC & Radio
  - ¬ EN 301 489-1 V1.9.2 (Common)
  - ¬ EN 301 489-6 V1.3.1 (DECT)
  - ¬ EN 301 489-17 V2.2.1 (Bluetooth)
  - ¬ IEC/EN61000-4-2 (Level 3 criteria B (ESD)
  - ¬ AS/NZS CISPR 22:2009 + A1:2010
- SAR
  - ¬ Europe: EN 50360:2001 +A1: 2012
  - ¬ Europe: EN 50566:2013
  - ¬ USA: Limit: ANSI/IEEE C95.1
  - ¬ USA: Procedures: IEEE 1528:2013 and RF exposure KDB 447498 D01

- ¬ Canada: RSS-102 Issue 4
- ¬ Australia/NZ: EN62209-1:2006/IEC 62209-1:2005
- ¬ Australia/NZ: EN62209-2:2010/IEC 62209-2:2010
- ¬ SAR: 0.089 W/kg
- Acoustic shock
  - ¬ Europe: EG 202 518 V1.4.1
  - ¬ USA/Canada: UL60950-1 Annex NAD 2~4
- Audio, Hearing Aid
  - ¬ USA/Canada: Section 68.316 and 68.317 of FCC 47 C.F.R. Part 68 or EIA/TIA-504-A (1998) or TIA-1083-A (November 2010)
  - ¬ Australia/NZ: AS/ACIF S040:2001
- Radio Frequency

  DECT
  - ¬ CAT-iq 2.0 including
    - - EN 301 406 V2.1.1 (Previous TBR6)
    - - EN 300 176-2 (TBR10)
    - - ETSI TBR22/A1 (GAP)
  - ¬ ETSI TS 102 841 (security)
    - - DECT security step A
    - - DECT security step B

Bluetooth
- ¬ EN 300 328 Radio

Local
- ¬ Australia/NZ: RF AS/NZS4268
- ¬ FCC 47 CFR subpart 15-D
- ¬ FCC 47 CFR subpart 15-C
- ¬ Canada: RSS-213 Issue 2, RSS-247 Issue 1
- Local Regulation
  - ¬ Australia: AS/CA S004
  - ¬ US/Canada: FCC 47 CFR part 68

Environmental

- Operation: *) ETS 300 019 part 1-7 class 7.3 partly weather protected and non-weather protected location
- Storage: ETS 300 019 part 1-1 class 1.2: Weather protected, not temperature-controlled storage locations
- Transport: ETS 300 019 –part 1-2 class 2.3: Public transportation
- IP Class: EN 60529 IP65

Accessories
- 3BN67346AA Desktop charger
  - ¬ Charges one handset and one battery
- 3BN67352AA Vertical pouch

- 3BN67348AA Spare belt and swivel clip
- 3BN67347AA Pull cord
- 3BN67354AA Accessory kit
  - ¬ Belt clip covers (X2), Battery doors (x2), Screws for cover (x4), Pull cord covers (X2) and adapted screwdriver
- 3BN67351AA Rack charger
  - ¬ Charges up to 6 handsets and 6 batteries
- 3BN67353AA Power supply for rack charger

  Common accessories with 8232/8242 DECT
- 3BN67335AA Power supply Europe
- 3BN67336AA Power supply worldwide
- 3BN67332AA Spare battery

  Verified Bluetooth Headsets
- 3BN67212EU Bluetooth headset Plantronics Voyager Pro
- 3BN67215WW Bluetooth headset Plantronics Voyager Legend

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