ALCATEL-LUCENT 8232 DECT HANDSET
RELEASE 1.0.0

The Alcatel-Lucent 8232 DECT Handset offers easy-to-use, cost-effective and reliable voice communication, addressing mobility needs in evolving business environments.

The 8232 DECT Handset provides a convenient and practical solution for the basic personal mobility needs of most business environments. It offers simple and efficient voice communication, enhanced usability and compatibility with existing Alcatel-Lucent DECT base stations. The 8232 DECT Handset also provides all of the Alcatel-Lucent OmniPCX™ Communication Server value-added voice services (such as dial-by-name and multiline management) that Alcatel-Lucent fixed desk phones support.

KEY FEATURES

- Alcatel-Lucent OmniPCX™ telephony protocol (AGAP)
- Lightweight, ergonomic design and intuitive operation
- Color display
- Keypad and display backlight
- Handsfree, microphone mute and vibrate modes
- Headset jack (3.5 mm)
- Antenna diversity

KEY BENEFITS

- Compatibility with deployed Alcatel-Lucent base stations provides infrastructure investment protection
- IP-DECT connectivity
- Excellent voice quality and business telephony features improve user responsiveness and business productivity
- Simplifies business inventory by offering a single product, operational worldwide
- Green: Economy mode uses automatic low radio emission power (25 mW peak)
- Low power mode (50 mW) makes it suitable for demanding environments
- Provides reliability with long battery life

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TECHNICAL SPECIFICATIONS

Detailed features

- System languages: Communication server-dependent
- Handset MMI languages (GAP mode and system-independent features)
  - English
  - French
  - German
  - Spanish
  - Italian
  - Dutch
  - Portuguese
  - Danish
  - Swedish
  - Norwegian
  - Finnish
- Handsfree, microphone mute and vibrate modes
- LED for status indication; three colors (green/orange/red) for battery status, missed calls and messages
- Ring tones
  - Six user-selectable polyphonic tones
  - Volume control: four settings; meeting mode
- Supports all AGAP features on OmniPCX call servers with TDM infrastructure
- Supports all AGAP features on OmniPCX™ Enterprise Communication Server with IP-DECT infrastructure
- Supports GAP features on the Alcatel-Lucent OpenTouch™ Suite for Small and Medium Businesses (SMB) if the suite has an IP-DECT infrastructure
- Call by name: Personal and system directory
- Call log (GAP mode):
  - All, answered, dialed, missed
  - Up to 50 call logs
- Contacts (GAP mode)
  - Name, up to 4 numbers per contact
  - Up to 50 contacts
  - 8 speed-dial options
- Audio and LED message signaling

Radio specifications

- DECT
- Frequency band
  - DECT Europe: 1880 MHz – 1900 MHz
  - DECT 6.0 North America: 1920 MHz – 1930 MHz
  - DECT Latin America: 1910 MHz – 1930 MHz
  - DECT Asia: 1900 MHz – 1906 MHz
- Handover: Bearer, connection
- Out-of-coverage signaling
- Antenna diversity
- Automatic band switching for cruise ship applications (requires IP-DECT)

Wireless security

- Identity
- Authentication
- Encryption

Registration

- Up to four systems
- Manual selection
- Automatic selection

Audio CODECs

- G726

Physical characteristics

- Box contains handset, battery, belt clip and regulatory notice
- Color: Black
- Graphic display: 1.4 in.; 65,000 colors; 128 x 128 pixels
- Display backlight: White
- Keypad backlight: Blue
- Belt clip: Spring loaded; optional swivel clip
- Headset: Jack 3.5 mm; TRSS compliant

Dimensions

- Height: 5.19 in. (133 mm)
- Width: 2.00 in. (52 mm)
- Depth: 0.90 in. (23 mm)
- Weight: 2.00 in.(120 g)

Mechanical characteristics

- Charging on desktop charger or Micro USB-type B plug

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

Operating environment

- Operating temperature: 14°F to 113°F (-10°C to +45°C)
- Storage temperature: -13°F to +131°F (-25°C to +55°C)

Serviceability

- Site survey tool
- Diagnostic mode
- Syslog mode
- Software update over the air (SUOTA) ready – requires IP-DECT

Software management tools

- Download tool (see Accessories)
- Flash loader PC application

Regulatory

EU directives

- R&TTE 1999/5/EC
- LVD2006/95/EC
- EMC 2004/108/EC
- Eco design 2006/32/EC

Safety

- IEC 60950-1
- CAN/CSA-22.2 No 60950-1

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EMC and radio
- EN 301 489-1
- EN 301 489-6
- IEC/EN 61000-4-2 Level 3 criteria B
- IEC/EN 61000-4-3 Level 3 criteria A
- EN 301 406 (TBR6)
- FCC 47CFR part 15 subpart D
- IC RSS-213

SAR
- EN 50360
- IEC 62209
- FCC OET Bulletin 65
- IEE 1528
- SAR value: 0.102 W/kg

Audio, hearing aid
- FCC 47CFR Part 68
- Canada: CS-03 part V
- ANSI/TIA/EIA-504-A
    ¬ Australia: ACIF S040

Telecom
- EN 301 406 (TBR6)
- EN 300 176-2 (TBR10)
- EN 300 175-8 (DECT audio)
- TBR22
    ¬ ETSI TS 102 841 (security)
    ¬ ES 202 738 (group listening)

Local regulations
- Australia: ACIF S004
- US/Canada: FCC part 68
- New Zealand: PTC220

Acoustic shocks
- UL 1950
- ETS 300 245-2

Environmental
- Operation: ETS 300 019 part 1-7 class 7.2
- Storage: ETS 300 019 part 1-1 class 1.2
- Transport: ETS 300 019 –part 1-2 class 2.3
- IP Class: EN 60529 IP40

Accessories
- 3BN67331AA desktop charger: Charges one handset (with USB cable)
- 3BN67335AA power supply for European plugs
- 3BN67336AA power supply for US, UK and Australian plugs
- 3BN67332AA spare battery
- 3BN67333AA spare belt clip
- 3BN67334AA swivel clip
- 3BN67337AA vertical pouch
- 3BN67338AA horizontal pouch
- 3BN67339AA download tool

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