ALCATEL-LUCENT 8242 DECT HANDSET

The Alcatel-Lucent 8242 DECT handset offers a rich on-site mobility communication experience, leveraging all capabilities of the powerful OmniPCX Enterprise Communication server and OmniPCX Office RCE.

Day-to-day communication activities are made easier for mobile workforces, with new 8242 DECT features such as a large color screen for crystal-clear readability, HD audio-ready technology for superior sound quality, Bluetooth® technology for headset use, as well as USB connectivity.

Designed as a high-end business terminal, the 8242 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.

KEY FEATURES

- Alcatel-Lucent OmniPCX™ telephony protocol (AGAP)
- Lightweight, ergonomic design and intuitive operation
- Large (2.4 in), 65,000 color thin-film-transistor (TFT) display with 320 x 240 pixel resolution
- Keypad and display backlight
- Programmable keys
- Hands-free, microphone mute and vibrate modes
- Headset jack (3.5 mm)
- Antenna diversity
- Direct micro-USB charging
- Embedded alarm applications: Notification- and location-based services
- Alarm button
- Bluetooth headset profile*

KEY BENEFITS

- Investment protection: Compatible with previously deployed Alcatel-Lucent base stations
- Supports large Alcatel-Lucent OmniPCX Enterprise campus configurations
- IP-DECT connectivity**
- Notification- and location-based services:
  - ¬ Location alarm signal when alarm is triggered to help locate user
  - ¬ Up to four notification call types from server
  - ¬ Personal protection and location features require an external server
  - ¬ Task monitoring can be signaled by handset to central server (e.g., hospitality, healthcare, warehousing)
- Excellent voice quality and business telephony features improve user responsiveness and business productivity
- Green: Economy mode automatically uses low radio emission power (25 mW peak)
- Low power mode (50 mW) makes it suitable for demanding environments (require specific site survey)

Alcatel·Lucent Enterprise

TECHNICAL SPECIFICATIONS

Physical characteristics

- Box contains handset, battery, belt clip and regulatory notice
- Color: Black
- Graphic display: 2.4 in.; 65,000 colors; 320 x 240 pixels
- Display backlight: White
- Keypad backlight: Blue
- Belt clip: Spring-loaded; optional swivel clip
- Headset jack: 3.5 mm; TRRS compliant

Dimensions

- Height: 142 mm (5.59 in.)
- Width: 51 mm (2.00 in.)
- Depth: 23 mm (0.90 in.)
- Weight:135 grams (4.76 oz)

Mechanical characteristics

- Charging on desktop charger or micro-USB type B connector

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 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 (except Brazil 1910 - 1920 MHz)
  - ¬ DECT Asia: 1900 MHz - 1906 MHz
- Handover: Bearer, connection, external
- Out-of-coverage signaling
- Antenna diversity
- Automatic band switching for cruise ship applications (requires IP-DECT)

Bluetooth™ V3.0*

- Headset profile
- Handsfree Profile

Wireless security

- Identity
- Authentication
- Encryption

Registration

- Up to four systems
- Manual selection
- Automatic selection

Audio CODECs

- G726
- G722 wideband ready

*Available Q4 2014

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 OmniPCX Office RCE if the suite has an IP-DECT infrastructure**
- Call by name: Personal and system directory
- Call log: Centralized call log
- 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 and 500 with Memory SD card (Optional)
  - ¬ 8 speed-dial options
- Audio and LED message signaling
- Programmable keys: F1/F2 keys
- Calendar application:
  - ¬ Subject, location, reminder
- Memory SD card (optional): Stores user data*

Alarm Notification

- Periodic live call (every 30 to 999 seconds, default 90 seconds)
- Alarm button call (Alarm key long push)
- Task progress call (up to 9 distinctive actions)
- Status call (reports on/off status, in/out charger)
- Incoming call: Normal, urgent, very urgent, hands-free, specific ringtones
- Alarm acknowledgement

Location

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

Operating environment

- Operating temperature: 14°F to 104°F (-10°C to +40°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
- USB download

Regulatory

EU directives

- R&TTE 1999/5/EC
- LVD2006/95/EC
- EMC 2004/108/EC
- Eco design 2009/125/EC
- RoHS 2011/65/EU

Safety

- EN 60950-1: 2006 A11; A1; A12
- IEC 60950-1: 2005; Am1
- UL 60950-1 ed2
- CAN/CSA C22.2 60950-1-07 ed02

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
- IEE 1528
- RSS-102

Audio, hearing aid

- FCC 47CFR Part 68
- Canada: CS-03 part V
- Australia: ACIF S040

DECT

- EN 301 406 (TBR6)
- EN 300 176-2 (TBR10)
- EN 300 175-8 (DECT audio)
- TBR22
  ¬ ETSI TS 102 841 (security)
- DECT security certification program stepA
- DECT security certification program stepB

Bluetooth*

- EN 301 489-17
- EN 300 328 Radio
- RF AS/NZS4268
- FCC part15-C
- RSS-210

Local regulations

- Australia: AS/CA S004
- US/Canada: FCC 47 CFR part 68
- New Zealand: PTC220

Acoustic shocks

- UL 60950-1 Annex NAD
- EG 202 518

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)
- 3BN67341AA Dual charger:
  Charges one handset and one spare battery (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
- 3BN67343AA vertical pouch
- 3BN67344AA horizontal pouch
- 3BN67339AA download tool

*Availability Q1 2015
**Availability on OmniPCX Office RCE: Q1 2015

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