ALCATEL-LUCENT 500 DECT HANDSET

The Alcatel-Lucent 500 DECT handset provides a convenient and practical solution for all demanding business environment such as Industrial or Healthcare. It includes a rugged design, including IP54 Ingress protection and features a color display, Vibrator, Loudspeaker, wired or wireless Bluetooth™ headset connectivity. The Alcatel-Lucent 500 DECT Handset offers also personal protection with an Alarm key, Man down, No Movement, and Shock detection which can trigger calls to a dedicated server as well as receive notification messages from a dedicated server, with corresponding ringing signals or loudspeaker that can alert the user. The Alcatel-Lucent 500 DECT handset can provide location information to a dedicated server, using base station triangulation information.

KEY FEATURES

- DECT GAP protocol
- DECT Security (identity, authentication, encryption
- Roaming and Hand-over
- Call log (all, sent, answered, missed)
- 7 user customizable profiles
- Provides direct access to local dial-by-name (call server dial by name with OmniPCX Office call server)
- Up to 10 speed dial entries
- Loudspeaker/mute during call
- 16 ringing melodies plus 4 dedicated to alarming functions
- Agenda, alarm clock, calculator, stopwatch
- Programmable start-up screen, screen saver, themes
- Status led (missed calls, Battery status, alarm calls)

KEY BENEFITS

- Rugged design for harsh environments
- IP54 Ingress protection
- Personal protection features:
  - ¬ Alarms key, Man down, No movement, Shock.
  - ¬ User configurations password protected.
  - ¬ Man down angle selection between 30-40-60°
  - ¬ Configurable detections & validation phases
  - ¬ Location alarm signal when alarm triggered to help locate user
  - ¬ up to 4 notification calls types from server
- Location features, with enhanced accuracy using up to 4 Base stations
- Personal protection features & Location requires an external server.
- Task monitoring can be signaled by Handset to central server (Hospitality, healthcare, Warehousing…)

TECHNICAL SPECIFICATIONS

Mechanical Characteristics

- Dimensions height x width x depth: 5.0 x 1.81 x 0.87 in. (127 x 46 x 22 mm)
- Weight: 4.23oz, 120 grams
- Color: Black
- Graphic display: 1,8', 262k Colors, 128 x 160 pixels
- Display backlight white
- Keypad backlight: blue
- Hands-free, mute
- Vibrator
- Headset: Jack 2,5mm, Bluetooth™ with optional card
- Led for status indication, 3 colors, user customizable
- Profiles: 7, user customizable, short key access
- Ring tones: 16 user selectable polyphonic with 6 steps volume control, 4 dedicated notification ring tones
- Display: user selectable (4 themes, 7 wallpaper pictures)
- Handset MMI languages: English, French, German, Spanish, Italian, Dutch, Swedish, Danish, Portuguese, Polish, Greek, Turkish, Russian
- System languages: Communication server dependant

Battery pack

- Li-Polymer, easily replaceable
- Talk time: up to 10 hours
- Standby time: up to 100 hours
- Charging time: approx 9 hours

Box contains

- Handset, Battery Belt clip, Regulatory notice

Radio specifications

- DECT
- Frequency range:
  - ¬ DECT Europe – 1880-1900 MHz
  - ¬ DECT 6.0 (NA) – 1920-1930 MHz
  - ¬ DECT Latam – 1910-1930 MHz
- Hand-over: Bearer, Connection, external HO
- Out of coverage signaling
- Antenna diversity

Wireless security

- Identity
- Authentication
- Encryption

BluetoothTM

- Headset profile 1.1

Registration

- Up to 4 systems
- Manual selection
- Automatic selection
- Automatic Band switching, cruise ship (requires IP-DECT)

Audio codecs

- G726

Features

- Call by name:
  - ¬ Local
  - ¬ OmniPCX Office directory
- Call log:
  - ¬ All, answered, Dialed, Missed
  - ¬ up to 500 call logs*
- Contacts:
  - ¬ Name, up to 4 numbers per contact, choice of ringing among the 20 available
  - ¬ up to 250 contacts*
- Calendar:
  - ¬ Subject, location, reminder
  - ¬ up to 500 appointments*
- Calculator, stopwatch, alarm
- Memory card (optional): stores user data and support transfer to another 500 DECT Handset

* Requires additional memory card, capacity values above are for each stand alone feature, total memory is shared by all features.

Notification

- Periodic Live call (every 60 to 999 sec, default 60 sec.)
- Alarm button call (Alarm key long push)
- Man down call (programmable 30°-40°-60°
- No Movement call
- Shock call (>= 3G)
- 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 ringing tones

Location

- Triangulation with up to 4 DECT base stations
- Data transmitted with Notification messages
- External server required

Environmental

- Operating temperature: -10°C to +45°C, (14 to 113°F) ETS 300 019 part 1-7 class 7.2
- Storage temperature: - 25°C to +55°C (-13 to +131°F) ETS 300 019 part 1-1 class 1.2
- IP Class: IP54 (EN 60529)

Serviceability

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

Software management tool

- USB Download tool
- Flash loader

Regulatory

- EC Directive
  - ¬ 1999/5/EC (R&TTE)
  - ¬ 2005/32/EC (Eco Design)
- Safety:
  - ¬ IEC 60950-1
  - ¬ EN 60950-1
  - ¬ UL 60950-1
  - ¬ CAN/CSA-22.2 No 60950-1
- EMC & Radio
  - ¬ EN 301 489-1
  - ¬ EN 301 489-6
  - ¬ IEC/EN61000-4-2
    - – Level3 criteria B
  - ¬ IEC/EN61000-4-3
    - – Level3 criteria A
  - ¬ EN 301 406
  - ¬ FCC 47CFR part 15 subpart D
  - ¬ IC RSS-213
- SAR
  - ¬ EN 50360:2001
  - ¬ FCC OET Bulletin 65
  - ¬ IEE 1528
  - ¬ SAR value: 0,04W/kg
- Audio, Hearing Aid
  - ¬ 47CFR Part 68
  - ¬ Canada CS-03
  - ¬ ANSI/TIA/EIA-504
- Telecom
  - ¬ TBR22
  - ¬ EN 300 176-2
  - ¬ ETS 300 245-2

Accessories

- 3BN67201AA Desktop charger
  - ¬ Charges one handset and one battery
- 3BN67207AA Power supply
  - ¬ Europe, US, UK, Australia plugs
- 3BN67206AA Rack charger
  - ¬ Charges up to 6 handsets & 6 batteries
- 3BN67202AA Spare battery
- 3BN67208AA Vertical pouch
- 3BN67209AA Horizontal pouch
- 3BN67203AA Spare belt clip
- 3BN67204AA Swivel clip
- 3BN67210AA 5 Memory cards
- 3BN67205AA Bluetooth module
- 3BN67211AA Download tool
- 3BN67212EU Bluetooth headset
  - ¬ Europe/US/UK plugs
- 3BN78158AA Wired headset

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