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.

The Alcatel-Lucent 500Ex DECT handset offers all the features of the 500 DECT handset in hazardous environments where there are potential risks of explosion.
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, Ukrainian
• 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 except Brazil 1910-1920 MHz
• Hand-over: Bearer, Connection, Out of coverage signaling
• Antenna diversity

Wireless security
• Identity
• Authentication
• Encryption

Bluetooth™
• Headset profile 1.1

Registration
• Up to 4 systems
• Manual selection
• Automatic selection

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*
• Messaging:
  - up to 250 messages of 160 characters*
• 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 30 to 999 sec, default 90 sec)
• Alarm button call (Alarm key long push)
• Man down call (programmable 30°-40°-60°)
• No Movement call
• Shock call
• 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

Software\nmanagement\ntool
• USB Download tool
• Flashloader

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
• EX compliance (500Ex DECT handset)
  - ATEX EN 60079-0, EN 60079-11
  - IECEx EN 60079-0, EN 60079-11
  - Classification II 3 G Ex ic IIC T4 EPL Gc
  - NEC500-NEC505 CEC Canada

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
• 3BN67214AA 500Ex Spare battery
• Ceotronics Headset for 500Ex DECT handset in hazardous area CT-PTT/ ASR-Communication Headset ATEX

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