



# 8232 DECT Handset

March 2012

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Alcatel-Lucent  
Enterprise





# Overview



# 8232 DECT Handset

## Overview

8232 DECT is a next generation of business DECT handset on IP/TDM DECT infrastructure for OCS (OXO) and OXE call servers

### ✓ Sustain our Enterprise mobility market share

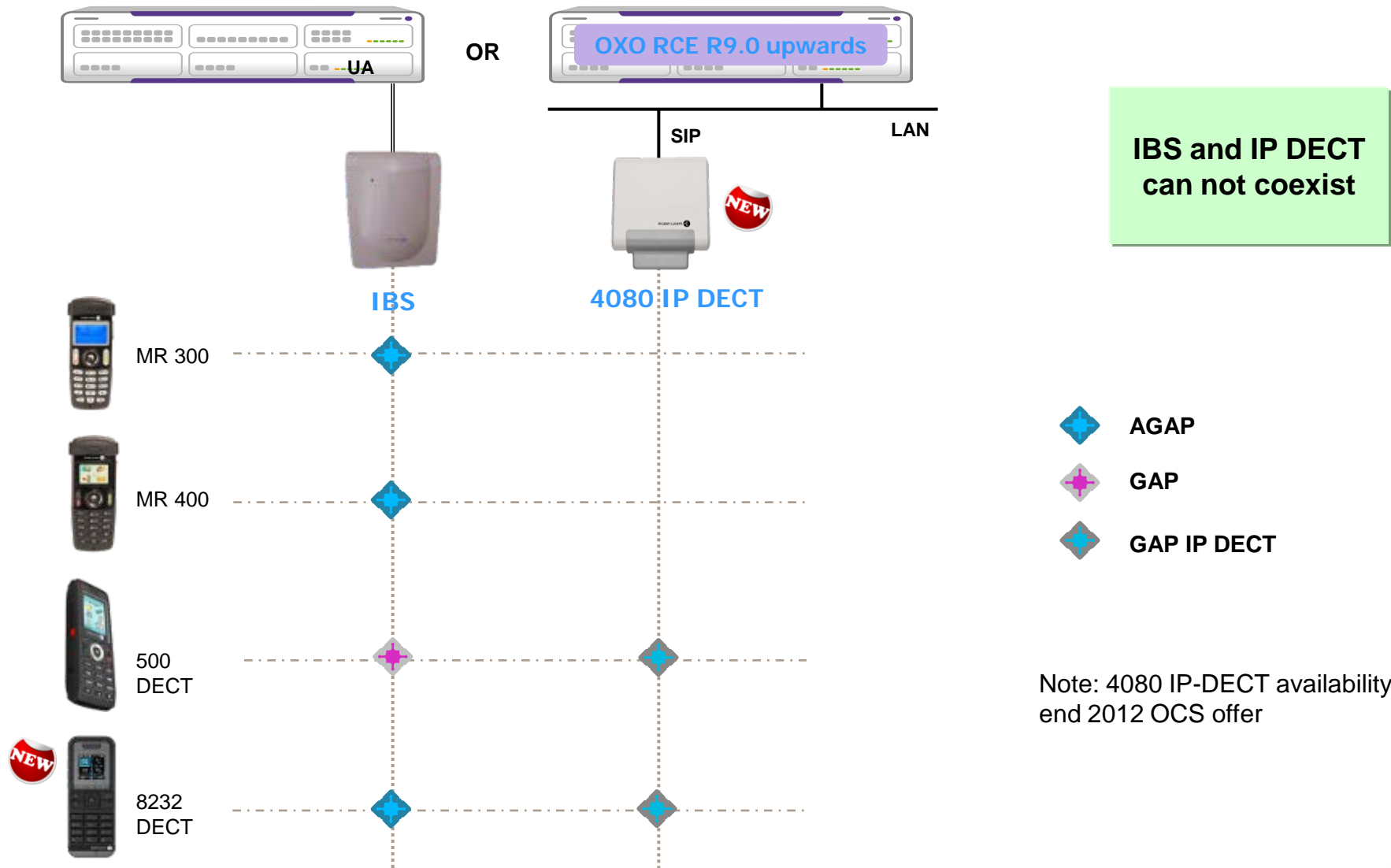
- anticipate 300/400 DECT components End Of Life
- answer our customers expectations:  
hardware capabilities and GUI improvements

### ✓ Preserve customer investment

- Full backward compatibility with our 300/400 DECT on ALU installed base:
  - AGAP mode, no call server change requested to operate
- TDM IBS/RBS DECT infrastructure (AGAP mode)
  - OXO R7.1.2 upwards
  - OXE R9.1 upwards
- IP-DECT infrastructure
  - OXO R9.0 upwards (GAP mode)
  - OXE R10.1 upwards (AGAP mode)

# 8232 DECT Handset

## OCS DECT infrastructure compatibility



Note: 4080 IP-DECT availability end 2012 OCS offer



## 8232 Vs 400 DECT Handsets



# 8232 DECT Handset

## Versus 400 DECT Handset

- WW Offer where we deliver current DECT products

✓ Plus Japan

- Offers all 300/400 DECT telephony feature (AGAP mode) plus:

✓ Audio or/and LED signaling upon message receiving

✓ Mute

Note: Both are managed locally

- New hardware capabilities:

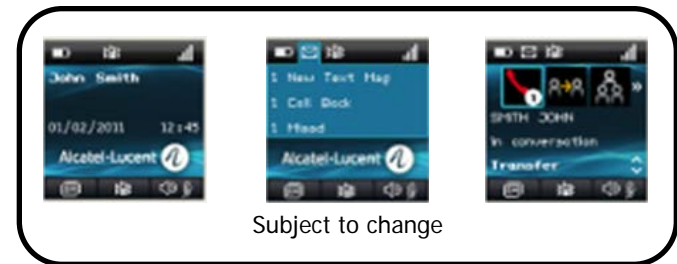
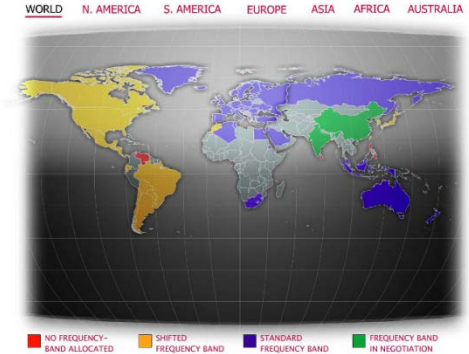
✓ Standard 3,5mm Headset plug

✓ Economy mode

✓ 50mW power mode

✓ Automatic band switching (cruise ship)

- New fashion GUI with 8000 series look&feels







## 8232 DECT Handset at a glance

# 8232 DECT Handset

## At a glance



### Display

Color 1,44' TFT with backlight  
128x128 pixels

### Keys

4 way navigation + OK  
On/Off hook  
Dial Keyboard  
3 soft keys  
2 audio (Vol+, Vol-)

### Audio

Narrow band, Hands free  
Headset plug 3,5mm  
Vibrator

### Wireless

DECT AGAP/GAP

### Core

DECT Single chip design

### Accessories

Desktop charger, pouches,  
belt clips  
Wired headset





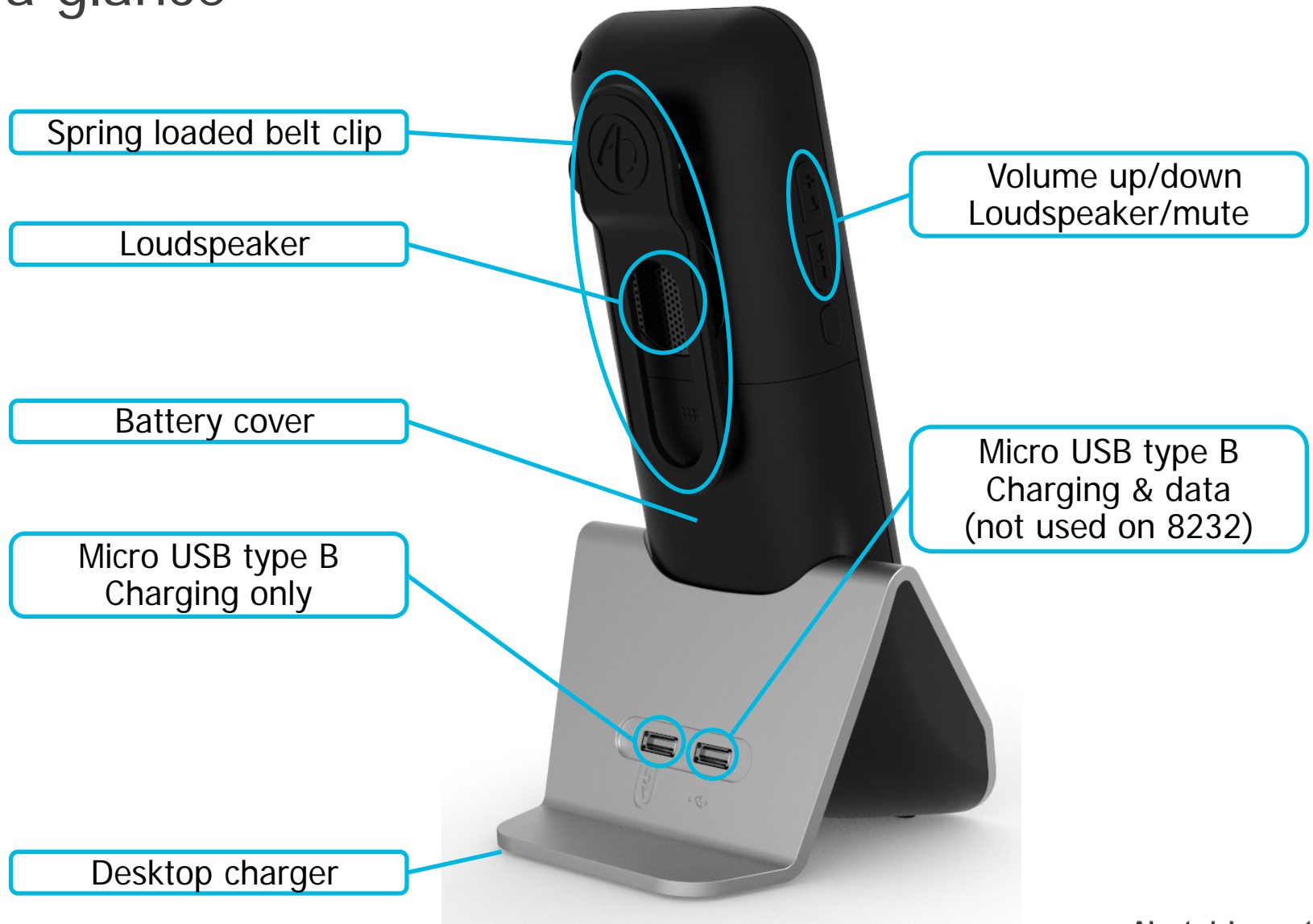
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## At a glance



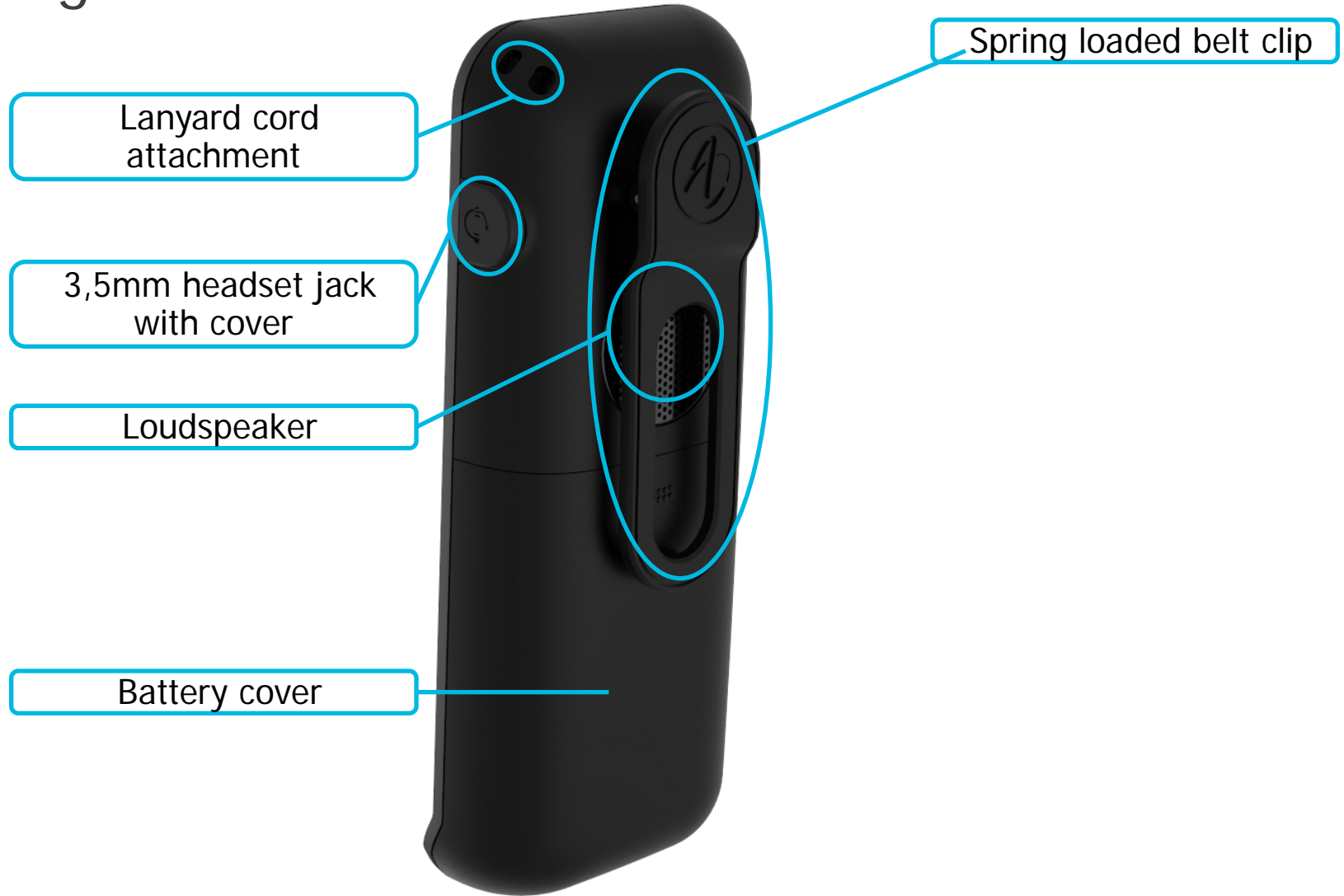
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## At a glance



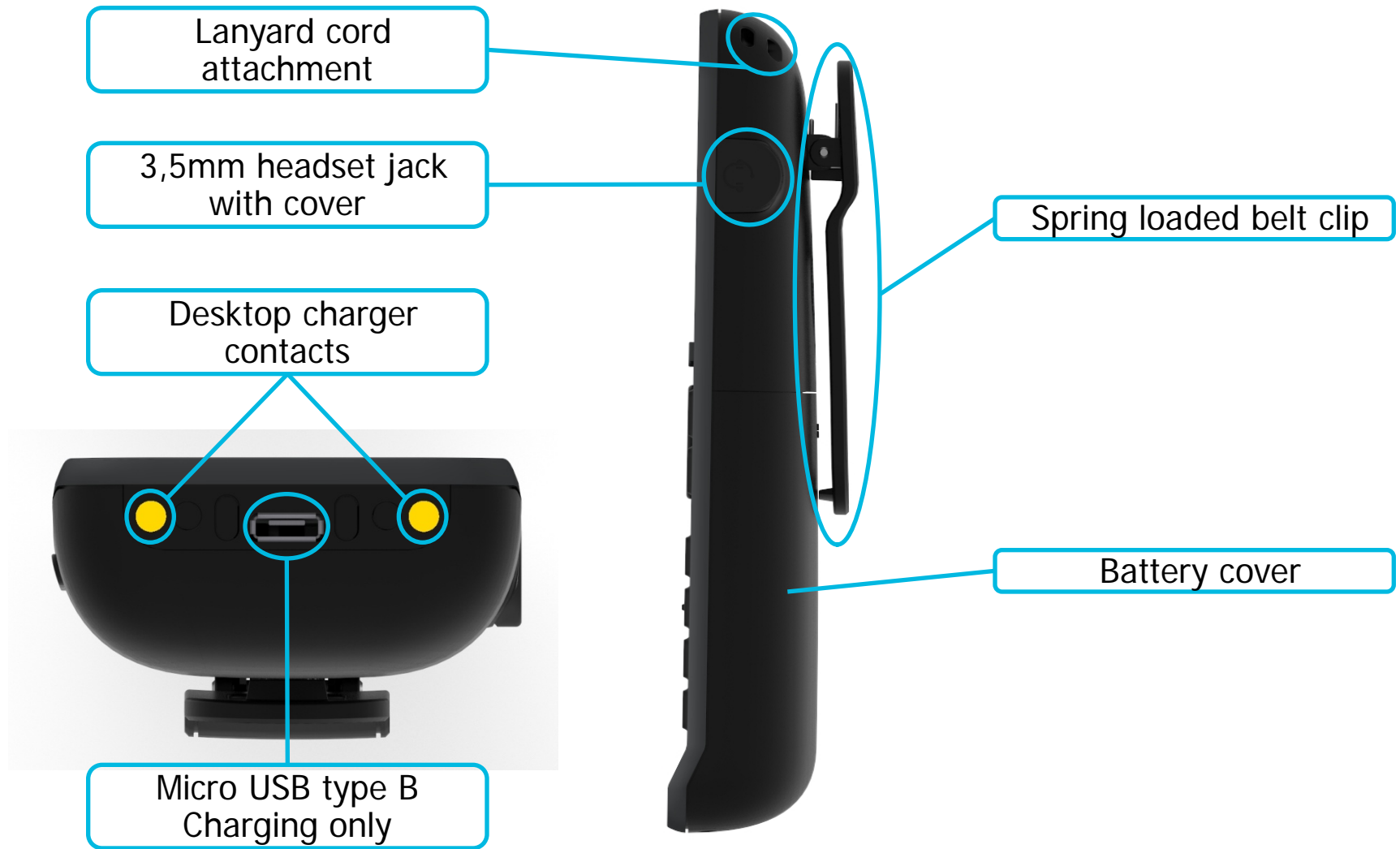
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## At a glance



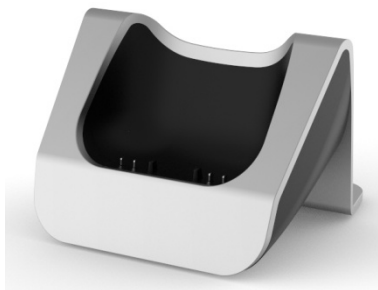
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## At a glance



# 8232 DECT Handset

## At a glance: accessories



Desktop charger  
with USB cable



Desktop charger  
power supplies  
EU-AUS/UK/US



Spare battery



Belt clips  
Standard-Swivel



Pouches  
Vertical-Horizontal



Download tool

Picture to be  
added

Wired headset



# 8232 DECT Handset

## At a glance: Offer

Reference	item
3BN67330AA	8232 DECT Handset (with battery & belt clip)
3BN67331AA	8232 DECT Handset desktop charger (with USB cable)
3BN67335AA	8232 desktop charger Europe power supply
3BN67336AA	8232 desktop charger AUS-UK-US power supply
3BN67332AA	8232 spare battery
3BN67333AA	8232 spare belt clip
3BN67334AA	8232 swivel clip
3BN67337AA	8232 vertical pouch
3BN67338AA	8232 horizontal pouch
3BN67339AA	8232 download tool

[ Mandatory items to operate

[ Country dependant item







## 8232 DECT Handset feature list

# 8232 DECT Handset

## Feature summary 1/6

Mechanical characteristics	8232 DECT Handset
Dimensions (hxwxh)	132x51x23 mm – 5,19x2,00x0,90 in.
Weight	110g – 3,88oz
Display type	Color graphical TFT 1,4'
Display size (pixels)	128x128
Display Backlight	Yes, white
Keypad Backlight	Yes, blue
LED	Yes, Green/Orange/Red
Hands-free	Yes
Vibrator	Yes
Headset connector	3,5mm jack, TRSS standard compliant
Bluetooth headset connectivity	No

# 8232 DECT Handset

## Feature summary 2/6

Mechanical characteristics	8232 DECT Handset
Navigation keys	4
OK key	Yes
Soft keys	3
Volume keys +-	Yes, 7 steps
Loudspeaker key	Yes, soft-key or Volume+ long press
Mute key	Yes, soft-key or Volume- long press
Keypad lock key	Yes
Dialing keypad	Yes
Key sound, key click	Yes, programmable
Micro USB type B	Yes, charging only, <small>complies with Open mobile terminal platform (common charging and local data connectivity V1.0)</small>



# 8232 DECT Handset

## Feature summary 3/6

Mechanical characteristics	8232 DECT Handset
Color (front panel/bezel/keys)	Black/Grey/Black
IP class	IP40
Belt clip (standard)	Yes
Belt clip (swivel)	Yes, as accessory
Operating Temp.	-10 +45 °C, +14 +113°F
Operating humidity	5 to 95% non condensing
Easily replaceable battery	Yes
Talk time	Up to 20 hours
Standby time	Up to 200 hours
Charging time	Less than 3 hours

# 8232 DECT Handset

## Feature summary 4/6

Infrastructure	8232 DECT Handset
Radio support	DECT Europe, US (DECT 6.0), Latam, Asia
Antenna diversity	Yes
RF Band selection	Automatic
RF Automatic Band Switching (Cruise ships)	Yes (requires IP-DECT AP)
Wireless security	DECT Identity, authentication, encryption (TBR22)
Audio codec	G726
Telephony Protocol	AGAP/GAP
System registration	Up to 4 systems
DECT Infrastructure	Alcatel-Lucent Office/Enterprise call servers
Economy mode	Yes programmable, automatic, 14dBm/25mW
50mW low power mode	Yes
Coverage warning	Yes, LED & audio signal

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# 8232 DECT Handset

## Feature summary 5/6

Features	8232 DECT Handset
Languages (Handset MMI)	English, Deutsch, Italian, Portuguese, Swedish, Danish, Spanish, Dutch, French, Finnish, Norwegian
Dial by name	Yes, local directory & Call server directory
Local directory	GAP mode, Up to 50 entries, with name and 4 numbers (Office, Mobile, Home, Other)
Tsakanikas keying input (standard multitap input method)	Yes, AGAP & GAP modes
Dialed, missed calls list	AGAP: Yes (Call server dependant) GAP: Yes, all, missed, dialed, received
Ringing melodies	Yes, 6 available
Increasing ring	Yes, programmable meeting mode



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## Feature summary 6/6

Serviceability	8232 DECT Handset
Serviceability	Diagnostic, Site survey modes
SUOTA (Software update over the air)	Yes (requires IP-DECT AP)
SW update	Download tool



## 8232 DECT Man Machine Interface

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MMI lifting, functionally 100% 400 DECT compatible



Labels added together with icons in main menu to improve user understanding

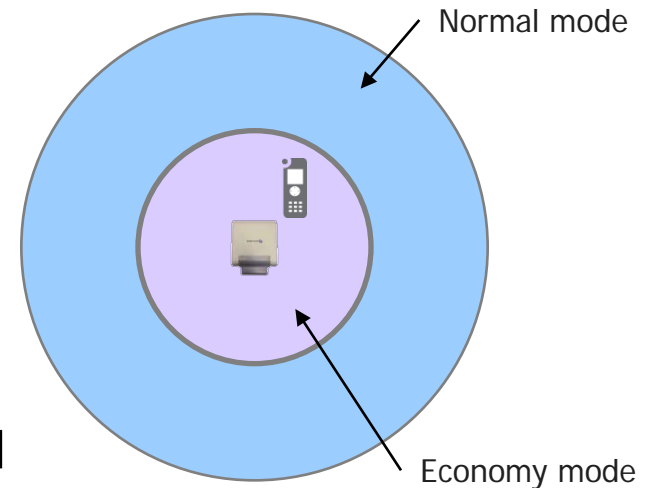
Note: final screen layout and rendering may differ

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## Economy mode



- Economy mode is intended to be green friendly and minimize radio frequency power whenever possible
- Economy settings is user triggered in the settings menu
- RF emission will trigger automatically:
  - From normal to economy mode when approaching a DECT base station  
-60dBm for at least 1,6 seconds
  - From Economy to normal mode when going away from Base station RF field  
-70dBm for at least 1,6 seconds



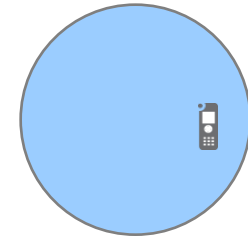
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## Economy mode

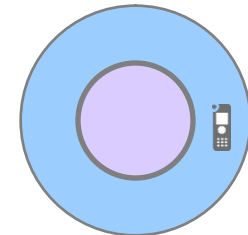


- User is advised of the RF status with the following icons:

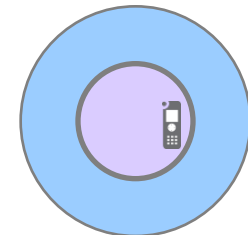
- Normal mode coverage



- Economy mode set, and not active



- Economy mode set, and active



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## 50mW mode



- 50mW mode is intended for the dangerous areas where it is requested that emissions shall not be over a that maximum value (like nuclear plants)
- 50mW settings is installer triggered in the installation menu and is a permanent settings
- User is advised of the RF status with the following icons:

- Normal mode coverage



- 50mW power mode





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