zenitel

DATASHEET



2211100157

D83 Messenger ATEX

Dect handset DH8-ABAB EX

- ATEX/UKEX/IECEx/CSA classified handset
- GAP/CAP compliant DECT handset
- Enhanced DECT security Step A and Step B (ETSI EN 300 444, N.35, N.36)
- High resolution 2.4 inch TFT display
- Cleanable, IP65
- Easy registration
- Shared phone
- System profiles and advanced user profiles
- Two multifunction buttons and programmable soft keys & hot keys
- Priority handling of calls and messages
- Procedure calls
- Push-to-talk (PTT)

Bluetooth | Onboard communication | Atex | HD Voice

Description

ATEX certified DECT Phone:

The telephone tool dedicated to sensitive environments

www.zenitel.com info@zenitel.com

Last revision date: 2024-02-01 11:10

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

Developed by Ascom, the D83 Messenger ATEX is an ultra-robust DECT cordless telephone , dedicated to professionals working in sensitive environments. Easy to transport, this product has undergone a whole battery of tests in order to be certified according to the most demanding standards of robustness.

Ascom D83 Messenger ATEX

Intended for potentially dangerous environments , this D83 Messenger model is certified according to the ATEX standard , certification defining the degree of risk of each workplace according to the nature of the fuel and the working conditions , to guarantee users safe use of their product, regardless of the place of exercise.

Encompassing a powerful 950mAh Li-Ion battery rechargeable using the Versatile Connector , this phone offers up to 120 hours of standby time , users being able to communicate for more than 10 consecutive hours , while enjoying a relatively fast recharge of their device, the latter needing only 4 hours to be charged to 100%. The precise location system available thanks to DECT , Ascom IR , Low Frequency and Bluetooth Low Energy technologies allows users to know, in real time, the exact position of the phones in the range.

Technical Dimensions

Ascom d83 versions

Features	Talker	zenitel Messenger	Protector
Telephony	✓	✓	✓
Shock, vibration, drop, temperature and chemical resistant	✓	✓	✓
Centralized device management	✓	✓	✓
Central phone book	✓	✓	✓
Bluetooth 5.0 for wireless headsets	✓	✓	✓
3.5 mm contact for wired headsets	✓	✓	✓
Shared phone	✓	✓	✓
Advanced messaging including priority, confirmation, call setup, colors on display and LED	–	✓	✓
Services and shortcuts to phone calls, messaging, sending data, etc.	–	✓	✓
Location with BLE, DECT, IR and LF technologies	–	✓	✓
Push-button, man-down, no-movement and pull-cord alarms	–	–	✓

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

Specifications

BODY	
Dimensions (L× W × D)	150× 64× 23mm
Weight	175 g (battery and clip included)
Color	Handset: gray/black, Front plate: yellow (Ex), steel grey
Build	Case: PC/ABS, Keypad: PC, Clip: PA

DISPLAY	
Size	40 x 50mm (2,4")
Type	TFT

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

BATTERY AND CHARGING

Type	Li-ion 3.7 V, 920 mAh
Speech time	Up to 16 h (Bluetooth disabled / location features enabled)
	Up to 18 h (Bluetooth disabled / location features disabled)
	Up to 10 h (with Bluetooth headset in use / location features enabled)
	Up to 12 h (with Bluetooth headset in use / location features disabled)
Stand-by time	Up to 120 h (Black screen saver activated / location features disabled)
	Up to 60 h (Black screen saver activated / location features enabled)
Charge time	Approx. 3 hours in CR3 charging rack, DC3 desktop charger
	NOTE: Do not charge or disconnect the battery in a hazardous area.
	NOTE: Not following environmental conditions can prolong charging time.
Discharge/charge cycles	>=80% capacity after 400 full charge/discharge cycles

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

CONNECTORS

Multipurpose	Multi-purpose connector for battery charging, fast software download and configuration.
Other	The 3.5 mm headset connector shall not be used on the Ascom d83 EX handset.

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

RADIO

Automatic DECT protocol detection	Automatic detection and configuration for US DECT and EU DECT at first registration
Frequency range	1880–1900 MHz: Europe, Africa, Middle East, Australia, New Zealand and parts of Asia
	1900–1906 MHz: Thailand
	1910–1920 MHz: Brazil
	1910–1930 MHz: Latin America
	1920–1930 MHz: US
Modulation	GFSK
Channel spacing	1.728 MHz
Antenna	Two integral antennas for diversity
Sensitivity	-93dBm
Maximum	10 mW: Europe, Latin America, Brazil, 4 mW: US
Dynamic output power	EU/LA/BR: 10 mW (maximum average power)

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

TELEPHONY

Indication	14 ring signals, illuminated display, LED, and vibrator
Answer call	Button press or auto answer
Call list storage capacity	50 calls (received, dialled and missed) with time stamp

MESSAGING

Storage capacity	30 received/sent messages (> 20 000 characters)
Maximum message length	Up to 140 characters from handset, depending on language and system settings
Multicast groups per handset	The handset can be a member in maximum 8 different messaging groups
Message character encoding	SMS Standard / Latin-1 / UTF-8

AUDIO

Ring signal	Maximum sound level 105 dBA @ 10 cm. Adjustable in 8 steps
Earpiece	Adjustable in 8 steps of 3dB each
Loudspeaker	Duplex loudspeaking function
Voice codecs	G.722.2, G.726

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

ENVIRONMENTAL

Operating temperature	–10°C to +40°C (+14°F to +104°F)
Charging temperature	+5°C to +40°C (+41°F to +104°F)
Enclosure protection	IP65, IP54 for EX approval, IEC EN 60529
Immunity to electromagnetic fields	10 V/m (EN 61000-4-3)
Immunity to ESD	8 kV contact discharge and 15 kV air discharge (EN 61000-4-2)
Free fall test	IEC 60068-2-31, procedure 1, dropped 12 times, specification extended to 2 m
	IEC 60068-2-31, procedure 2, dropped 1000 times from 0.5 m
Chemical resistance test	3% Hydrochloric Acid M-alcohol (85% methylated ethanol) 60% Chlorhexidin 0.5 mg/ml
Climate stress	Handset exposed to rapid temperature and humidity changes Temperature range: -40° C to +75° C (-40° F to +167° F) Humidity range: 0% to 90%
Vibration test	Handset exposed to 30 Hz vibrations for a duration of 2.5 hrs
Chemical stress	Handset exposed to Oleic Acid
Keypad actuation test	Keys pressed 15,000 times with a force of 13 N

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

Squeeze test	Handset squeezed 1,000 times with a force of 130 N

COMPLIANCE TO EUROPEAN AND UK REGULATIONS AND STANDARDS

EU directives and regulations	2014/53/EU (RED)
	2014/34/EU (ATEX)
	2015/863 (RoHS3) amending directive 2011/65/EU
	2012/19/EU (WEEE)
	94/62/EC with amendment 2015/720 (Packaging and packaging waste)
	2006/66/EC (Battery Directive)
	Regulation 1907/2006 (REACH)
UK directives and regulations	Radio Equipment Regulations 2017
	Equipment and Protective Systems Intended for use in Potentially Explosive Atmospheres Regulations 2016
	RoHS in Electrical and Electronic Equipment Regulations 2012
	Reach Enforcement Regulations 2008
	Batteries Packaging (essential requirements) Regulations 2015 and Accumulators (placing on the market) Regulations 2008 and

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

	Waste Batteries and Accumulators Regulations 2009
	Waste Electrical and Electronic Equipment Regulations 2013
Product marking	CE, UKCA, IP65, IP54 for EX approval
Radio	EN 301406, TBR22
ATEX/UKEX	EN 60079-0, EN 60079-11
Bluetooth	EN 300328, EN 301489-17
SAR (Specific Absorption Rate)	EN 50360, 0.074 W/kg (10 gram) and EN 50566, 0.084 W/kg (10 gram)
Safety	EN 62368-1
EMC	EN 301489-6, EN 301489-1

FOR FULL OVERVIEW OF COMPLIANCE AND STANDARDS, SEE THE ASCOM DATASHEET UNDER DOCUMEN

Used With

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.



Unite CM Elise3 Std

Elise3 Server Platform

Item Number: 2310212005



IPBS3-A3

IP DECT base station with internal antenna

Item Number: 2211000643

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.