zenitel

DATASHEET



2211100156

D83 Messenger

Dect handset DH8-ABAA

- Ingress protected to IP67
- Professional DECT cordless phone
- 2.4" color TFT display with LED backlight
- LED indicator for incoming calls and messages
- Wideband HD sound transmission
- Noise canceling speaker and microphones
- Integrates 3 distinct directories: central , professional and local
- Support for SMS and phone shortcuts
- Autonomy: 10h in conversation ; 120h standby
- Connectivity: Versatile connector ; 3.5mm jack ; Bluetooth 5.0
- Precise location module available

Bluetooth | Onboard communication | IP67 | HD Voice

Description

The new Ascom d83 DECT mobile device is quite possibly the toughest, most versatile enterprise-grade DECT handset ever made: delivering the voice quality, reliability, messaging and alarm functions demanded in today's workplaces.

Tested to the limits

The d83 is ingress protected to IP67 standard. But we think an enterprise-grade DECT handset has to be tougher than the toughest work environments. Which is why the d83 has been tested way beyond the standard free fall, temperature, chemical-resistance and endurance tests. And of course, it features advanced speech encryption and authentication.

Protection with productivity

The availability of three d83 versions (Talker, Messenger, Protector), means you can select the combination of features that are just right for your needs. All versions deliver wideband audio and noise cancelling for exceptional voice quality. As well as an

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‘express’ channel for mission-critical data.

No compromise on comfort

The d83 is built to be comfortable to use throughout the longest shifts, featuring: a conveniently located alarm button, large color display, wired or wireless headsets, multiple language and phonebook options, a carrying clip and a long-life, replaceable battery.

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	–	–	✓

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Specifications

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

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

BATTERY AND CHARGING	
Type	Li-ion 3.7 V, 920 mAh
Speech time	Upto 10 hrs (with Bluetooth headset and location features enabled)
Stand-by time	Upto 120 hrs (with black screen saver activated and location features disabled)
Charge time	<4 hrs
Discharge/charge cycles	>=80% capacity after 400 full charge/discharge cycles

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CONNECTORS

Multipurpose	Multi-purpose connector for battery charging, fast software download and configuration.
Other	Screw reinforced standard 3.5 mm headset connector for Peltor/3M hearing protection headset cable The 3.5 mm connector can also be used for charging with a charging cable using a Europlug

RADIO

Color	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
Bluetooth	Supports Bluetooth 5.0 and profiles headset and handsfree

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AUDIO

Wideband audio	Support of voice codecs G.722.2 and G.726
Background noise reduction	Two microphones and Adaptive Noise Reduction
Ring signal	Adjustable in 8 steps
Max. sound ring signal level	100 dBA at 10 cm distance
Earpiece	Adjustable in 8 steps of 3dB each
Loudspeaker	Duplex loudspeaker

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ENVIRONMENTAL

Operating temperature	-10° C to +55° C (+14° F to +131° F)
Charging temperature	+5° C to +40° C (+41° F to +104° F)
Enclosure protection	IP67, IEC EN60529
Immunity to ESD	8 kV contact discharge and 16 kV air discharge, EN61000-4-2
Free fall test	IEC60068-2-31, procedure 1: dropped 12 times, specification extended to 2 m. IEC60068-2-31, procedure 2: dropped 1000 times from 0.5 m
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
Squeeze test	Handset squeezed 1,000 times with a force of 130 N

Accessories

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BTPHR-V2

Bluetooth headset for DECT handset

Item Number: 2211200117

Used With



Unite CM Elise3 Std

Elise3 Server Platform

Item Number: 2310212005



IPBS3-A3

IP DECT base station with internal antenna

Item Number: 2211000643

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