Ascom d83

Mobility with Confidence

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Ascom d83 – key benefits for mobile workers

Robust design
Shock, squeeze and waterproof with IP65 classification. Disinfectant ready, temperature resilient.

Protect lone and vulnerable workers
Unparalleled protection through push-button, man-down, no-movement and pull-cord alarms. DECT, LF, IR and BLE technologies provide high precision location tracking of workers.

Excellent voice capabilities
Trusted DECT technology gives a close to interference-free express lane for mission-critical information. Crystal clear sound and suppressed background noise by support of wideband audio and noise cancelling features.

Smart design
Smartly positioned alarm button, larger color display, flexible headset integration through the 3.5mm contact and 24/7 operation due to a replaceable battery.

Secure and safe
Classified DECT security. Encrypted voice and data.

Carrying clip
Comfortably and securely attaches to clothing.

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Ascom d83 - feature highlights

Secure carrying clip

Central and Local Phonebook

2.4" TFT color display

Loudspeaker

Disinfectant ready

Pull cord connector [3]

3.5 mm headset connector

Multi-color LED

Multi-function PTT button

Alarm button[4]

Bluetooth 5.0 for headsets

Centralized management

Volume up/down button

Vibrate alert

IR sensor[1]

Backward compatible rack charger interface

Durable and IP65 classified

Multi-function Mute button

Programmable soft keys

DECT, LF, IR and BLE location[2]

Easily replaceable battery

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Multi color-coded notifications*

- Calling, alerting and messaging functionality

- Emergency codes

- Allows hands-free visual indication

- Notification on priority of incoming alerts based on color

- Fixed or flashing light provides additional variation

- Ten different configurable LED color codes
  can be seen at a glance

* Available on all d83 variants, but Talker

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Personal Alarm

Door control

Task

Temp control

Machine failure

Fire systems

Noise cancelling

- Focus on the task without distraction.
  The advanced d83 voice capabilities is the result
  of many years of Ascom engineering research.

- A primary and a secondary microphone creates a
  foundation for excellent voice quality through noise
  reduction.

- The Ascom d83 is equipped with an intelligent
  Adaptive Noise Reduction algorithm. The primary
  speech is enhanced, while the background noise
  is suppressed.

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Charger compatibility

Existing DC3-AAxB
Supports Ascom d81

Existing CR4-AAAB
Supports Ascom d81 batteries
(not for EX variant batteries)

**Existing
CR3-AAAC, CR3-ABAC,
CR3-AAAD, CR3-ABAD**
The d83 handset is compatible with
the existing Ascom handset charging racks

Ne
DC3-AAxD
Supports Ascom d83 only

Ne
Charger cable 660-672*
Supports Ascom d83 only

Ne
+
**Adaptor
660-671**

Existing CR4-AAAB plus adaptor
Supports Ascom d83 batteries

* Available with an EU power plug

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Headset accessories

3M™ Peltor™ CH-3 wired headset with Push-To-Talk

- 660677 – Kit assembly with headset 3M™ Peltor™ MT74H52A-111 and d83 3.5mm Peltor CH-3 headset cable (660673)

Support verified (not supplied) 3M™ Peltor™ headsets:

- MT15H7AWS6-111 - 3M™ Peltor™ WS ProTac XP1
- MT73H7F4D10NA-50 - 3M™ Peltor™ LiteCom Pro III EX
- MT73H7F4D10EU-50 - 3M™ Peltor™ LiteCom Pro III EX

Ascom d83 variants

	Talker	Messenger	Protector
Telephony	✓	✓	✓
Durable regarding shock, vibration, drops, temperature and chemicals	✓	✓	✓
Centralized device management	✓	✓	✓
Central phone book	✓	✓	✓
Bluetooth 5.0 for headsets including 3.5mm contact	✓	✓	✓
Shared phone	✓	✓	✓
Advanced messaging including priority, confirmation, call setup, colors on display and LED	—	✓	✓
Services and shortcuts to phone calls, send message, send data, etc.	—	✓	✓
Location with Ascom IR, LF, DECT and BLE technologies	—	✓	✓
Push button alarm, man-down, no-movement and pull-cord alarm	—	—	✓

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Ascom d83 vs. Ascom d81

d81

d83

- Talker variant for voice users needing a robust handset

- Purpose built mechanical design, which reflects the d83 product expressions, Reliable, Robust and Professional

- Excellent voice capabilities with wideband audio and noise cancelling

- Multicolored LED for prioritization of alerts

- Backward compatible with Ascom IP-DECT and Unite infrastructures

- 2,4" 240x320 pixels 262k colors LCD

- Completed location support* adding BLE and Ascom IR location to already existing DECT and LF location technologies

- 3.5mm headset connector enforced with a screw

- Bluetooth version 5.0 introduced

- EU power plug to 3.5mm charging option for workers on the move

- Programmable and flexible multi-function buttons

* Available on all d83 variants, but Talker

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Ascom d83 vs Alternatives

Other devices share the same features as Ascom d83 – **Only Ascom d83 has them all!**

	Ascom d83	Alcatel 8262	Yealink W59R
IP Classification	IP65	IP65	IP65
Free Fall Test	IEC 60068-2-31 procedure 2, dropped 1000 times from 0,5 m	IEC 60068-2-31 procedure 2, dropped 1000 times from 0,5 m	IEC 60068-2-31 procedure 2, dropped 1000 times from 0,5 m
Wideband Audio	Yes	No	Yes
Atex Option	Yes	Yes	No
Advanced messaging including priority, confirmation, call setup, colors on display and LED	Yes	No	No
Personal Alarm	Yes	Yes	Yes
Personal Alarm functionality	Data based with full alarm workflows including group response messaging and PTT call setup	Automatic call based	Automatic call based
Location with IR, LF, DECT and BLE technologies	IR | LF | DECT | BLE	BLE	
Push-button alarm, man-down, no-movement and pull-cord alarm	PB | MD | NM | PC	PB | MD | NM | PC	PB | MD | NM

Ascom IP Dect

A reliable, robust and professional network to support mobile workers in Enterprise critical workplaces

- Ascom IP Dect connects mobile users to multiple business systems via a **dedicated infrastructure**
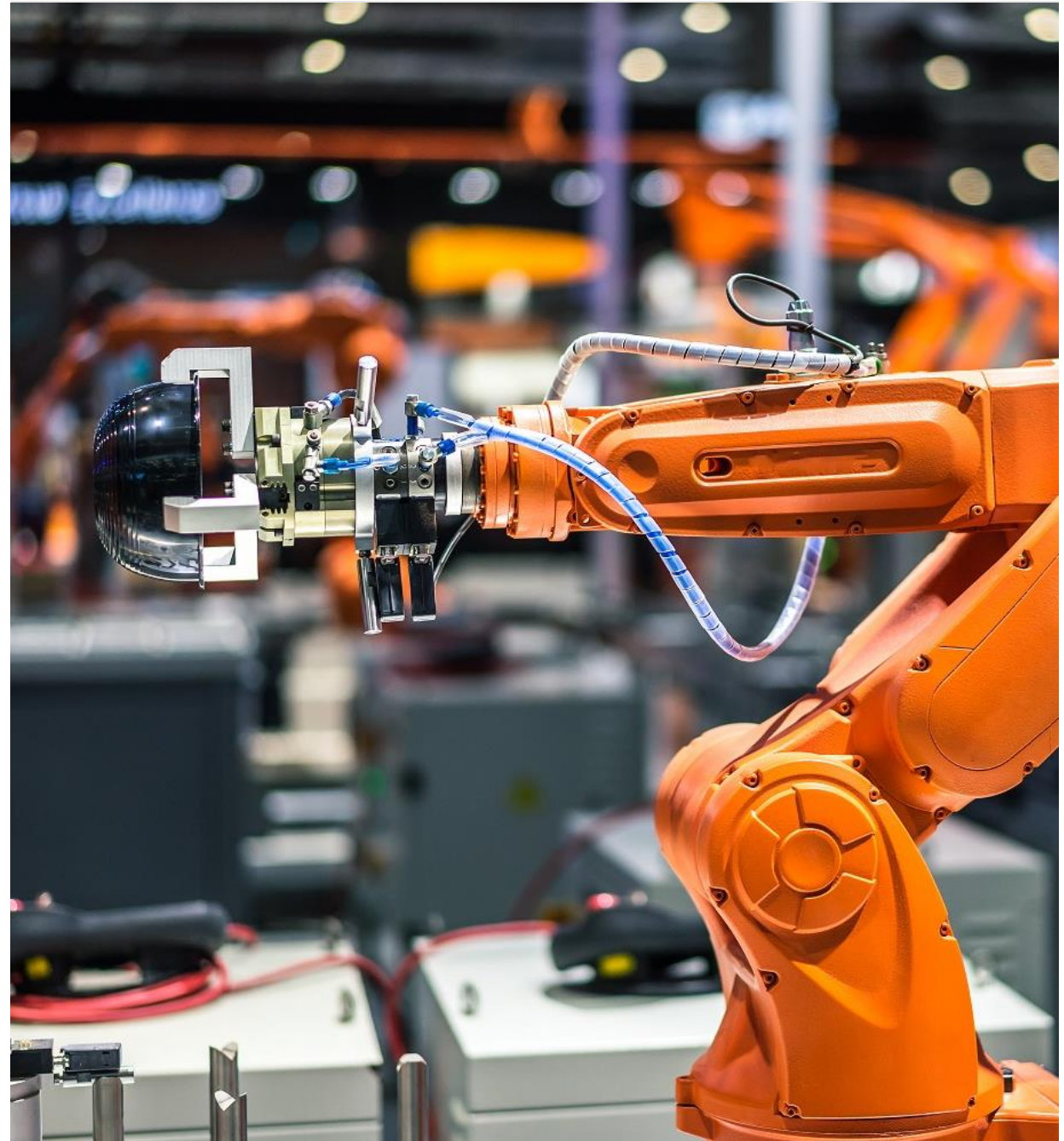
IECEx & ATEX
- "All of the world" except North America
- II 2G Ex ib IIC T4 Gb (gas)
- II 2D Ex ib IIIC T55° C Db (dust)

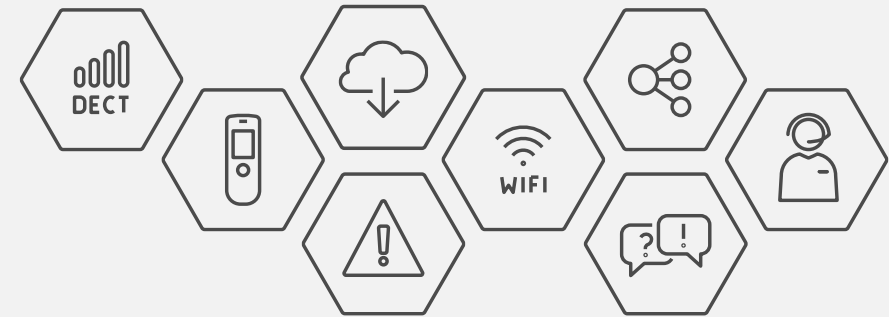**CSA listed**
- North America

Ascom Interoperability Program Q2 2022

Delivering best in class performance

In conjunction with technology partners, the Ascom Interoperability Program provides quality assurance of Ascom products/solutions when deployed in combination with third-party systems: