



Ascom i63 VoWiFi

Mobility with confidence

The stylish yet robust enterprise-grade handset for reliable mobile communication and coordination



- Reliable VoWiFi performance and seamless roaming
- Easy to use
- Smooth device management

True VoWiFi performance in three models

The new Ascom i63 combines the reliability, ease-of-management and performance of VoWiFi with enterprise-grade ruggedness, ergonomics and stylish design. Available in three models (Talker, Messenger, Protector), the Ascom i63 VoWiFi delivers exceptional network and roaming performance.

Bluetooth and locating

All models are Bluetooth enabled, allowing wireless headsets to be used for handsfree operation. The Protector model is compatible with IR and LF. Messenger and Protector models also support Bluetooth Low Energy location systems, WLAN access points, Cisco MSE and AiRISTA Flow RTLS location systems.

Built to work. And work. And work.

A 920mAh battery provides up to 100 hours of stand-by and ten hours of speech time. The sturdy body is dust and water resistant to IP44 standard, and can be safely cleaned with common disinfectants.

Easy to use. Easy to manage. Easy to secure.

Rugged durability, centralized management and OTA updates mean a low Total Cost of Ownership and easy administration. Various authentication and encryption methods provide robust enterprise-grade security.

Ascom i63 VoWiFi: Mobility with confidence

- **Enterprise-grade VoWiFi performance and seamless roaming.** Supports four network systems, with auto and manual selection. Seamless roaming is optimized with 802.11r, 802.11k, and opportunistic key and pairwise master (PMKSA) caching.
- **Easy to use.** Bluetooth-enabled headset allows handsfree operation. Large, easy-to-read screen and a light weight (only 135g / 4.8oz) help make the Ascom i63 comfortable to use for even the longest shifts.
- **Smooth device management.** Enterprise-grade centralized management lets administrators configure all settings remotely. Validated interoperability with major PBX and Wi-Fi vendors.
- **Protects users and colleagues.** The Ascom i63 Protector model features push-button, man-down and no-movement alarms. Multiple device location methods are available for both the Protector and Messenger models.
- **Mobility with confidence.** The Ascom i63 makes it easy to optimize workflow productivity. Features such as outstanding voice quality, a multilingual user interface, messaging capabilities and extensive phone book options help keep users connected to colleagues, events and mission-critical information.

ASCOM i63 TECHNICAL SPECIFICATIONS

Overview

Dimensions (l × w × h): 137 × 52 × 21mm
Weight: 135g (excl. clip) (4.8 oz)

Display: 31 × 41mm (2.0 in), TFT color display.
240 × 320 pixel LCD with white LED backlight

Battery and charging

Type: Li-polymer 3.7V 920mAh
Speech time: 10h
Stand-by time: 100h
Charge time: <4h

Connectors

Multi-purpose connector: With USB for fast software download, configuration, and battery charging.
Headset connector: Standard 3.5mm

Languages

Menu and message languages (20): Arabic, Chinese (simplified), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese (Brazilian), Russian, Slovak, Spanish, Swedish, and Turkish

Phonebook

Central phone book: Unlimited entries
Company phone book: 1000 entries
Local phone book: 250 entries

Telephony

Indication:

- Illuminated display
- Vibrator
- 14 ring signals
- Aggressive ring signal
- 5 beep signals
- 3 user defined custom sounds

Call list storage capacity: 25 calls (received, dialled and missed) with time stamp

Voice codecs: Opus Wideband, G.711 A-law (EU), G.711 u-law (US), G.722, G.729, G.729A, G.729B, and G.729AB

Location and alarm

Location types (Messenger and Protector): IR, LF (Protector)
BLE
Associated WLAN access point (AP)
Cisco MSE
AiRISTA Flow RTLS

Alarm types (Protector):
Supported version: Push button alarm
Man-down and no-movement alarms
Acoustic Location Signal (ALS)
Automatic emergency call after alarm

Bluetooth

Supported version: 5.0
Supported profiles: Headset and handsfree

WLAN

Quality of Service (QoS): WMM, TSPEC-based CAC
Supported networks: 802.11 a/b/g/n/ac (MCS0-7)

Security

Security standard: 802.11i, 802.11w
Encryption methods: AES-CCMP, TKIP
Authentication methods:

- Open
- WPA/WPA2-PSK
- PEAP-MSCHAPv2
- EAP-TLS

Roaming enhancement

- 802.11r, 802.11k
- Opportunistic Key Caching
- PMKSA caching

Licenses

WH2-L01: Upgrade license Ascom i63 Talker to Messenger
WH2-L02: Upgrade license Ascom i63 Talker to Protector (Only alarm button functionality)
WH2-L03: Upgrade license Ascom i63 Messenger to Protector (Only alarm button functionality)

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