Ascom i63 VoWiFi

Mobility with confidence.



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

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 features at a glance

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

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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

BODY
Dimensions: 137 x 52 x 21 mm
Weight: 135g, excl. clip
Display: 31 x 41 mm (2,0 inch). TFT

AUDIO
Ring signal: Adjustable in 8 steps
Earpiece: Adjustable in 8 steps of 3dB each
Max. sound ring signal level: 88 dBA @ 10 cm
Loudspeaker: DSP assisted duplex loudspeaker
Voice Codecs: Opus Wideband, Opus Narrowband, G.711 A-law (EU), G.711 u-law (US), G.722, G.729, G.729A, G.729B, and G.729AB

PHONEBOOK
Central phonebook: Unlimited no. of entries
Company phonebook: 1000 entries
Local phonebook: 250 entries
Selectable ring tones per contact.

USER INTERFACE
Display: High resolution, Color TFT display 262K individual colors. 240 × 320 pixel backlit LCD
Indicator: Sound indicates incoming call/message and the display is illuminated
Vibration: Incoming call, alarm and message
Buttons & Keys: 3 soft keys, 5-way navigation key, off-hook key, on-hook and power on/off on the same key, backlighted numerical keypad, sound off key, volume up/down, alarm/multifunction button, mute button

TELEPHONY
Indication: 14 ring signals, illuminated display, and vibrator
Answer call: Button press or auto answer
Call list storage capacity: 25 received, dialed and missed calls, with time stamp
Emergency numbers: Up to 5 configurable, no need to unlock keypad before dialing

SECURITY AND ENCRYPTION
Security standard: 802.11i, 802.11w
Encryption methods: AES-CCMP, TKIP
Authentication methods:
– Open
– WPA/WPA2-Personal
– WPA3-Personal
– WPA2-Enterprise (PEAP-MSCHAPv2, EAP-TLS)
– WPA3-Enterprise (PEAP-MSCHAPv2, EAP-TLS)

LICENSES
WH2-L01: Upgrade license Ascom d63 Talker to Messenger
WH2-L02: Upgrade license Ascom d63 Talker to Protector Light*
DHI-L03: Upgrade license Ascom d63 Messenger to Protector Light*

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

MESSAGING
Storage capacity: Number of characters is system dependent, 30 received/sent messages, Messages from handset to handset 160 characters. Beep depending on urgency and customizable beeps. Pre-programmed messages (pre-set or personal). Interactive messaging including message acknowledgement and graphical messaging.

BLUETOOTH
Supports handsfree profiles.
Bluetooth ver. 5.0 incl. BLE.
BLE beacon protocol: iBeacon

WLAN
Quality of Service (QoS):
WMM, TSPEC-based CAC
Supported networks:
802.11 a/b/g/n (HT: MCS0-7) and 802.11 ac (VHT: MCS0-9)

ENVIRONMENTAL
Operating temperature: -5°C to +45°C
Storage temperature:** -20°C to +60°C
Enclosure protection: IP44, IEC EN60529
Immunity to electromagnetic fields: 10 V/m (IEC 61000-4-3)
Immunity to ESD: 8 kV contact discharge, 15 kV air discharge (EN61000-4-2).
Free fall test, standard product:
IEC 60068-2-31, procedure 1, dropped 12 times from 1.5 m.
IEC 60068-2-31, procedure 2, dropped 1000 times from 0.5 m

BATTERY
Type: Li-polymer
Speech time: 10 hrs
Stand-by time: 100 hrs
Charge time: Approx 3 hours in CR3 charging rack or CR4 battery pack charger
Discharge/charge cycles: >=80% capacity left after 400 full charge/discharge cycles

ROAMING ENHANCEMENT
– 802.11r, 802.11k
– Opportunistic Key Caching
– PMKSA caching

LOCATION
– IR, LF and BLE
– Associated WLAN access point (AP)
– Cisco MSE
– AiRISTA Flow RTLS

CONNECTORS
Multi-purpose connector for battery charging, software download and configuration.
Standard 3.5 mm headset connector.

COMPLIANCE
Compliance to EU, US, Canadian, Australian and New Zeeland standards – please see the data sheet.

ACCESSORIES
See Accessories sheet

*Protector light is similar to Protector but without IR-/LF-location nor Man Down/No Movement feature.
** Storing Li-polymer batteries at high temperatures can rapidly and permanently reduce capacity

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About Ascom

Our vision is a world where the right information moves people forward. Our mission is to put the right information in the right hands at the right time so that people can make the best possible decisions.

We are a global provider of communication and collaboration solutions for the acute care, long-term care and enterprise sectors. Our solutions are based on intelligent integrations with software and hardware that are open source and compatible with third party solutions. Every single second, our systems generate large amounts of data, which we then turn into useful and actionable information. This helps us to bring data to life for people in the toughest operational environments, ensuring smooth, complete, and efficient workflows.

Ascom is headquartered in Baar (Switzerland), has operating businesses in 19 countries and employs around 1,400 people worldwide. Ascom registered shares (ASCN) are listed on the SIX Swiss Exchange in Zurich.

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