Ascom Myco 2

Ascom Myco 2 – Inspired by caregivers. Built for care giving

The Ascom Healthcare platform is so powerful, so we decided to invent our own smartphone to get the best out of it.

The new Ascom Myco 2 handset is packed with fresh features such as near-field communication (NFC), infrared (IR) positioning, an updated operating system and much, much more. It's a major enhancement of the Ascom Myco platform of integrated apps, services and functions—making it easier than ever to improve patient care, optimize workflows, and boost security for mobile frontline caregivers.

Smoother workflows, safer staff

Locate an Ascom Myco 2 user with room-level accuracy—potentially winning precious time when responding to personnel alarms. Automatically register nurse presence; no buttons to press, no interrupted workflows. The new Ascom Myco 2 is the only smartphone in the world with true Infrared and IR positioning.

Tag and go

Log when staff enter a patient room. Thanks to its embedded NFC capability, the Ascom Myco 2 can share and update information with similarly enabled devices and items such as phones, tablets and patient ID wristbands.

Ascom Myco 2
- Supports Google™ Mobile Services
- Larger screen space
- Android 5.1™ Lollipop™
- Interact with alerts in lock-screen mode
- Ascom mission-critical OS extensions
- Professional barcode scanning
- Secure messaging
- Unique top-display

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ASCOM MYCO 2 AT A GLANCE

- Android™ 5.1 (Lollipop™)
- Google Mobile Services
- Access to Google Play store
- Third-party Android app support
- Ascom Mission Critical (OS) Extension
- Color-coded priority beacon
- Prioritized apps and services
- Ascom Myco SDK
- Centralized management
- Easy deployment via QR-code

- 3.5" TFT dual capacitive touch screen
- Unique Monochrome OLED top display
- 802.11a/b/g/n
- Seamless WiFi handover
- Wideband audio (over WiFi)
- NFC support
- Infra-red location
- Professional 1D/2D barcode scanning
- 5 Mega-pixel rear facing camera
- Replaceable battery

- Optimized for single hand use
- Durable and easy to carry
- Drop resistant
- Corning Gorrila glass 3 screen
- Headset support(via micro-USB adaptor
- Hearing aid compatible (HAC)
- Push to talk (PTT)
- Multifunction/Alarm button
- Disinfect ready
- IP54 classified

ASCOM MYCO 2 TECHNICAL SPECIFICATIONS

Operating system: Android™ 5.1 (Lollipop™)
CPU: ARM Cortex A9 1 GHz Dual Core
GPU: 3D Hardware accelerated graphics
Built-in Memory: 8 GB Flash, 1 GB RAM
Connector: Micro USB v2.0 (for headset, charging and data transfer/configuration)
Sensors: Three-axis accelerometer, NFC, IR receiver proximity) sensor, and light sensor

IR location
IR Wavelength: 940 nm
Carrier Frequency IR: 38.7 kHz / 40.6 kHz
Modulation: FSK
Interference Handling: Can handle interference such as sunlight and EMI.
Short range mode for sites with lots of interference
Sensitivity IR: 17 m line of sight from IR locator

Barcode scanner (license required)
Aztec - EAN 13 (std, ISBN) (Rectangle Data Matrix)
Codabar - GS1 128, Code 39 Hong Kong (UPC-A)
Code 128 IATA 2 of 5 (2 bar) (UPC-E)
Code 128/GS1-128 Interleaved (UPC-E0, E1)
Coupon Code Matrix (UPC-E Expand)
Data Matrix PDF417
EAN 8 (std) QR-code

Dimensions: 114 × 64 x 17/22 mm (excl. clip)
Weight: 194 g (6.8 oz)
Main display: 8.9 cm, (3.5") 320x480 TFT display
Top display: 2.3 cm, (0.91") 128x32 OLED monochrome
Color: White

SIP Telephony
Protocols: SIP supporting RFC1889, RFC2327, RFC2833, RFC3261, RFC3264, RFC3265, and RFC3515
Encryption Protocol: SRTP including TLS
Voice Codecs: G.711 A-law (EU), G.711 u-law (US), G.722

Audio
Wideband audio (WiFi calls only)
Max. Sound ring level: 88 dBA @ 10 cm
Loudspeaker:Duplex loudspeaker
Hearing Aid Compatible (HAC)
Headset: Android compatible 3.5mm headset (requires micro-USB adapter 660511)

WLAN
Network: 802.11 a/b/g/n
VoIP protocol: H.323, H.450, SIP (RFC 3261).
Security: 802.11i (AESCCMP),
WEP (64/128 bit).
Authentication: 802.1x: Original 802.11 open/shared key, WPA-PSK/WPA2-PSK/PEAP-MSCHAPv2/EAP-TLS/EAP-FAST, Authentication certificate.
QoS: 802.11e (WMM,TSPEC-based CAC).
Roaming: Pre-authentication,opportunistic key caching, PMKSA caching.
Max. output power: 100mW / 20dBm

Environmental
Operating Temperature: -5° to 45° C (23° to 113° F)
Storage Temperature[3]: -20° to 50° C (-4° to 122° F)
Enclosure Protection: IP54, IEC EN60529
Disinfection Possibilities: Daily upto 5 times with Ethanol 85%, VirkonS 1%, Actichlor Plus 0.1% Chlorine, Aseptix hydrogen peroxide (H_2O_2), and also Isopropyl/Isopropanol 85%. Sporadic up to 1 time a week with Ethanol 85%, and also Chlorhexidin 0.5 mg/ml
Immunity to Electromagnetic Fields (EMC):10 V/m EN61000-4-3
Immunity to ESD: 6 kV contact discharge and 8 kV air discharge (EN61000-4-2)
Free fall test, standard product: IEC 60068-2-32, dropped 12 times from 1 meter,
dropped 1000 times from 0.5 meters.

NFC support
Modes & Supported Standards: Read/write: NfcA (ISO14443-3A), NfcB (ISO14443-3B), NfcF (JIS 6319-4), NfcV (ISO 15693)
IsoDep (ISO 14443-4)
NFC Forum tag types: 1,2,3,4
Peer-to-peer: NFCIP-1 (ISO 18092)
LLCP 1.1,SDP 1.0,NDEF Push Protocol
SNEP 1.0, Host Card Emulation
Verified Tags: NXP I-Code SLI
NXP Mifare Classic 1k/4k, DESfire EV1 4k
NXP Mifare Ultralight, NXP nTag
NXP RC-S965 FeliCa Lite
NFC-V (ISO 15693)

Battery
Type: Li-ion (1520 mAh) capacity
Speech time[1]: Up to 6 hours
Stand-by time[2]: Up to 40 hours
Charge time: < 4 hours (Charging Rack)
Discharge/Charge cycles: >=70% capacity left after 400 full charge/discharge cycles

Camera
Camera Type: Rear Camera with Auto Focus
Camera Resolution: 2592x1944 pixels (5 Megapixels)

Accessories
See accessories sheet.

Languages
(Ascom): Danish, Dutch, English, Finnish, French, German, Italian, Norwegian,Portuguese, Portuguese (Brazil), Russian, Spanish, Swedish
(Android): approx. 60

1. Dependent of active mode, U-APSD WLAN environment and configuration and handset location relative to system.
2. Stand-by time is without activated screensaver.
3. Storing Li-Ion batteries at high temperatures can dramatically and permanently reduce capacity. Specifications are subject to change without notice.

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