



## Ascom Myco 2—the best of DECT and Wi-Fi in a purpose-built smartphone

*Combine the power of DECT and Wi-Fi to bridge communication gaps—and deliver the right information to mobile staff at the right time.*

The Ascom Myco 2 with DECT enables effective communication that facilitates patient centered care. It gives mobile staff a dedicated, interference-free DECT channel for mission-critical communications—as well as access to the Wi-Fi for apps and information systems.

### The Ascom Myco 2 offers:

- Secure interference-free DECT channels for mission-critical communications\*
- Alerts that are always prioritized and displayed in a way that attracts users' attention
- Access to a world of apps and smartphone capabilities

Ascom Myco 2 supports mission-critical apps, and facilitates team collaboration, coordination and communication. Together with Ascom Unite software it connects with other devices, systems and equipment—providing context-rich alerts and interactive messaging on a smartphone screen.

Ascom Myco supports third-party Android™ apps, as well as a growing library of apps from Ascom Technology partners.



**ascom**

# Ascom Myco 2 with DECT

The reassurance of DECT combined with the possibilities of Wi-Fi. And all in a robust smartphone purpose-built for healthcare professionals.

- DECT and VoWiFi ready
- Prioritized critical alert notifications
- Channel redundancy for messaging
- Secure messaging (HIPAA compliant)
- Enterprise-grade telephony
- Wideband audio – enhanced voice quality
- Hearing aid compatible
- Push to talk (PTT)
- Infra red location – room-level accuracy
- Android 5.1 Lollipop
- Ascom Mission Critical Extensions for Android
- Prioritized mission-critical apps/services
- Supports 3rd party Android apps
- Centralized management
- Headset support
- Color 3.5" multi-touch display
- Unique monochrome top-display
- Integrated NFC and barcode scanner (optional)
- Dedicated Alarm button
- 5 Mega-pixel rear facing camera
- Easily replaceable battery
- Carrying clip
- Durable and drop resistant
- Disinfect-ready

ASCOM MYCO 2 TECHNICAL SPECIFICATIONS		
<p><b>Operating system:</b> Android™ 5.1 (Lollipop™)</p> <p><b>CPU:</b> ARM Cortex A9 1 GHz Dual Core</p> <p><b>GPU:</b> 3D Hardware accelerated graphics</p> <p><b>Built-in memory:</b> 8GB Flash, 1GB RAM</p> <p><b>Connector:</b> Micro USB v2.0 (for headset, charging and data transfer/configuration)</p> <p><b>Sensors:</b> Three-axis accelerometer, NFC, IR receiver, proximity sensor, light sensor</p>	<p><b>IR location</b></p> <p>IR Wavelength: 940nm</p> <p>Carrier frequency IR: 38.7kHz/40.6 kHz</p> <p>Modulation: FSK</p> <p>Interference handling: Can handle interference such as sunlight and EMI</p> <p>Short range mode for sites with lots of interference</p> <p>Sensitivity IR: 30m line of sight from IR locator</p>	<p><b>Barcode scanner</b> (license required)</p> <p>Aztec - EAN 13 (std, ISBN) (Rectangle Data Matrix)</p> <p>Codabar - GS1 128, Code 39 Hong Kong (UPC-A) Code 11, Code 93, Code 128 IATA 2 of 5 (2 bar) (UPC-E), Code 128 / GS1-128 Interleaved (UPC-E0, E1), Coupon Code Matrix (UPC-E Expand), GS1 Composite Code, Telepen, NEC 2 of 5, Trioptic, Pharma Code, Data Matrix PDF417, MicroPDF417, MSI (Modified Plessey), EAN 8 (std) QR-code, Micro QR Code, MaxiCode, Han Xin Code</p>
<p><b>Dimensions:</b> 114x64x17/22mm (excl. clip)</p> <p><b>Weight:</b> 194 g (6.8oz)</p> <p><b>Main display:</b> 8.9cm, (3.5") 320x480 TFT display</p> <p><b>Top display:</b> 2.3cm, (0.91") 128x32 OLED monochrome</p> <p><b>Color:</b> White, Black</p>	<p><b>SIP Telephony</b></p> <p>Protocols: SIP supporting RFC1889, RFC2327, RFC2833, RFC3261, RFC3264, RFC3265, and RFC3515</p> <p>Encryption Protocol: SRTP including TLS</p> <p>Voice codecs: G.711 A-law (EU), G.711 u-law (US), G.722, G.722.2</p>	<p><b>Audio</b></p> <p>Wideband audio</p> <p>Max. sound ring level: 88 dBA @10cm</p> <p>Loudspeaker: duplex loudspeaker</p> <p>Hearing Aid Compatible (HAC)</p> <p>Headset: Android-compatible 3.5mm headset (requires micro-USB adapter 660511)</p>
<p><b>WLAN</b></p> <p>Network: 802.11 a/b/g/n</p> <p>VoIP protocol: H.323, H.450, SIP (RFC 3261)</p> <p>Security: 802.11i (AESCAMP)</p> <p>Authentication: 802.1x: Original 802.11 open/shared key, WPA-PSK/WPA2-PSK/PEAP-MSCHAPv2/EAP-TLS/EAP-FAST, Authentication certificate</p> <p>QoS: 802.11e (WMM,TSPEC-based CAC)</p> <p>Max. output power: 100mW/20dBm</p>	<p><b>Environmental</b></p> <p>Operating Temperature: -5° to 45° C (23° to 113° F)</p> <p>Storage Temperature<sup>2</sup>: -20° to 50° C (-4° to 122° F)</p> <p>Enclosure Protection: IP54, IEC EN60529</p> <p>Disinfection Possibilities: Daily up to 5 times with Ethanol 85%, VirkonS 1%, Actichlor Plus 0.1% Chlorine, Aseptix hydrogen peroxide (H2O2), and also Isopropyl/Isopropanol 85%. Sporadic up to 1 time a week with Ethanol 85%, and also Chlorhexidin 0.5 mg/ml</p> <p>Immunity to electromagnetic fields (EMC): 10 V/m EN61000-4-3</p> <p>Immunity to electrostatic discharge (ESD): 6 kV contact discharge and 8kV air discharge (EN61000-4-2)</p> <p>Free fall test, standard product: IEC 60068-2-32, dropped 12 times from 1 meter, dropped 1000 times from 0.5 meters</p>	<p><b>NFC support</b></p> <p>Modes &amp; Supported Standards: Read/write: NfcA (ISO 14443-3A), NfcB (ISO 14443-3B), NfcF (JIS 6319-4), NfcV (ISO 15693) IsoDep (ISO 14443-4)</p> <p>NFC Forum tag types: 1,2,3,4</p> <p>Peer-to-peer: NFCIP-1 (ISO 18092)</p> <p>LLCP 1.1, SDP 1.0, NDEF push protocol</p> <p>SNEP 1.0, Host Card Emulation</p> <p>Verified Tags: NXP I-Code SLI</p> <p>NXP Mifare Classic 1k/4k, DESfire EV1 4k</p> <p>NXP Mifare Ultralight, NXP nTag</p> <p>NXP RC-S965 FeliCa Lite</p> <p>NFC-V (ISO 15693)</p>
<p><b>DECT</b></p> <p>Frequency range: EU (1880-1900MHz), US (1920-1930MHz), LA (1910-1930MHz), BR (1910-1920MHz), Other (1900-1920MHz)</p> <p>Modulation: GFSK</p> <p>Radiated power: EU 250mW, US 100mW.</p> <p>DECT Security EN300 444 feature N35, as specified by DECT forum.</p>	<p><b>Languages</b></p> <p><b>Ascom:</b> Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Polish, Portuguese, Portuguese (Brazil), Russian, Slovak, Spanish, Swedish</p> <p><b>Android:</b> approx. 60</p>	<p><b>Variants</b></p> <p>SH1-ABBB, Ascom Myco 2 DECT + Wi-Fi, White</p> <p>SH1-ABBB, Ascom Myco 2 DECT + Wi-Fi, Black</p>
<p><b>Battery</b></p> <p>Type: Li-ion 1520 mAh capacity</p> <p>System Stand-by Time: Wi-Fi only: up to 90 hours</p> <p>DECT only: up to 80 hours Wi-Fi and DECT: up to 65 hours</p> <p>Speech Time: Wi-Fi only: up to 9 hours, DECT only: up to 7.5 hours, Wi-Fi and DECT: up to 7.5 hours</p> <p>Charge time: &lt; 4 hours (Charging Rack)</p> <p>Discharge/charge cycles: ≥70% capacity left after 400 full charge/discharge cycles</p>	<p><b>Camera</b></p> <p>Camera type: rear camera with auto focus</p> <p>Camera resolution: 2592x1944 pixels (5 megapixels)</p>	<p><b>Accessories</b></p> <p>See Ascom Myco accessories sheet at <a href="http://www.ascom.com">www.ascom.com</a></p>
		<p><b>Compliance</b></p> <p>Compliance to EU, US, Canadian and Australian standards – see the data sheet</p>

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.
- \* Operates on licensed frequency bands reserved for DECT communication only.

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