

Ascom Myco™ Cellular+Wi-Fi Smartphone

Features

- Professional Smartphone designed for mission critical communication
- 3G Cellular with HSPA data support
- Supports Wi-Fi 802.11a/b/g/n
- Seamless Wi-Fi roaming i.e. on-call handover between access points
- Centralized management using Ascom Unite or 3rd party MDM tools
- Supports Over-the-Air administration
- Android OS 4.4 KitKat with "Ascom Mission Critical Extension"
- Supports integration to other systems using Ascom Unite middleware
- Smart alert handling with "Situation Overview" for decision support
- Supports 3rd party Apps
- Unique top display with color-coded LED priority beacon
- Easy replaceable battery to support long shifts
- Optimized for single hand use, and regular disinfection
- Multifunction/Alarm button (optional)
- Hearing aid compatible (HAC)
- Durable, robust, and easy to carry
- IP54



Technical Specifications

Overview

Operating System:	Android™ 4.4 KitKat®
CPU:	ARM Cortex A9 1 GHz Dual Core
GPU:	3D Hardware accelerated graphics
Built-in Memory:	4 GB Flash, 1 GB RAM
Sensors:	Three-axis accelerometer, proximity, and light sensor
Messaging:	Text messaging, MMS, email, Ascom interactive messaging
Browser:	HTML5
GPS:	GPS with A-GPS support
Buttons:	Power button, Volume button (up/down), Home button, Multifunction/Alarm button
Languages in the handset:	13 Danish, Dutch, English, Finnish, French, German, Italian, Norwegian, Portuguese, Portuguese (Brazil), Russian, Spanish, Swedish
Dimension (H×W×D):	114 × 64 × 17/22 mm (excl. clip) (4.49 × 2.52 × 0.67/0.87 in)
Weight:	189 g (6.3 oz)
Color:	White
Clip:	Hinge-type (optimized for single-layer of fabric), with exchangeable color pad

Displays

Front display:	TFT, dual capacitive touchscreen, 262K colors with LED backlight
Front display size and resolution:	3.5" 320x480 display (166 ppi)
Protection:	Corning® Gorilla® Glass 3
Top display:	Monochrome OLED
Top display size:	0.91" 128x32 display, room for an icon followed by approx. 20 characters (split on two rows)

Camera

Rear Camera:	5 Megapixels with Auto Focus
Camera resolution:	1944 x 2592 pixels

Indications

Indication types (notifications/alerts):	Icons and text in top display Color-coded LED alert beacon Vibrator Ringtones Message beeps Notification sounds
--	--

Audio

HD voice:	Yes (for Wi-Fi calls only)
Loudspeaker:	Duplex loudspeaking function
Maximum sound pressure level:	88 dBA at 10 cm

Pheripheral interfaces

Connector:	Micro USB v2.0 (for charging and data transfer/configuration)
------------	---

Licenses and other

PPS-AAB	Product Protection Plan Bronze
PPS-AAS	Product Protection Plan Silver
PPS-AAG	Product Protection Plan Gold

Accessories

- 660455 Battery Pack SH1 (incl. Battery cover)
- 660466 Spare clip SH1
- 660467 Color pad kit for clip SH1
- CR5-AAAA CR5 Charging Rack
- CR6-AAAA CR6 Battery Charging Rack
- 660469 Table adapters for Charging Rack (included in the Charging Rack package at delivery)
- 660464 Micro USB cable
- 660468 USB Power supply
- 660201 Security cord

Battery

Type:	Easily replaceable Li-ion 1520 mAh battery
Stand-by time:	35 hours
Speech time:	6 hours
Charging time:	Approx. 4 hours (Rack Charger)
Discharge/charge cycles:	>=60% capacity left after 400 full charge/discharge cycles

Specifications are subject to change without notice.

Wi-Fi

Supported networks:	Wi-Fi 802.11 a/b/g/n (MCS0-7, 20 MHz, 800nS GI)
Frequency range:	EU (ETSI): b/g: 2.4–2.4835 GHz (Ch 1-13), and a: 5.15–5.35 GHz (Ch 36-64), 5.47–5.725 GHz (Ch 100-140) USA/Canada (FCC): b/g: 2.4–2.4835 GHz (Ch 1-11), and a: 5.15–5.35 GHz (Ch 36-64), 5.47–5.71 GHz (Ch 100-140), 5.725–5.875 GHz (Ch 149-165)
Data rates:	802.11b: Up to 11 Mbit/s 802.11a/g: Up to 54 Mbit/s, 802.11n: Up to 65 Mbit/s
Number of networks:	multiple, auto selection and manual selection
Quality of Service (QoS):	WMM, TSPEC-based CAC
Security standard:	IEEE 802.11
Encryption methods:	TKIP, AES-CCMP
Authentication methods:	802.1X Original 802.11 open/shared key authentication WPA-PSK/WPA2-PSK/PEAP-MSCHAPv2/EAP-TLS/EAP-FAST Authentication certificate
Roaming enhancement:	Pre-authentication Opportunistic Key Caching PMKSA caching CCKM
Receiver sensitivity (typical values):	-87 dBm (802.11a, 6 Mbit/s), -93dBm (802.11b, 1 Mbit/s), -87 dBm (802.11g, 6 Mbit/s), -86 dBm (802.11n, MCS0)
Antenna:	Internal integral
Maximum output power:	100 mW / 20 dBm

Cellular

Frequency bands	GSM: 850/900/1800/1900 3G (WCDMA: Bands: I,V,VIII (2100, 850, 900))
SIM card type:	Micro-SIM
Antenna:	Internal integral
Maximum output power:	GSM: Class 4 (850/900) Class 1 (1800/1900) GPRS: Class 4 (850/900) Class 1 (1800/1900) EGPRS: (EDGE) Class E2 UMTS: (CS) Class 3 UMTS: (PS) Class 3 HSPA: Class 3
Data rates:	GSM: 14.4 kbit/s GPRS: 80 kbit/s (CS 1-4, Multislot class 12) EGPRS (EDGE):236.8 kbit/s (CS1-4, MCS1-9, Multislot class 12) UMTS (CS): 64 kbit/s (DL/UP) UMTS (PS): 384 kbit/s (DL/UP) HSPA: 14.4 Mbit/s (DL) and 5.7 Mbit/s (UP)

Specifications are subject to change without notice.

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

Environmental

Operating temperature:	-5° to 45° C (23° to 113° F)
Storage temperature: ¹	-20° to 50° C, less than 1 month for the battery (-4° to 122° F)
Charging temperature:	>=5° to 40° C (>=41° to 104° F)
Relative humidity:	5% to 95% non condensing
Enclosure protection:	IP54, IEC EN60529
Immunity to electromagnetic fields:	10V/m EN61000-4-3
Immunity to ESD:	6 kV contact discharge and 8 kV air discharge (EN61000-4-2)
Free fall test:	IEC 60068-2-32, procedure 1, dropped 12 times from 1 m.

1. Note that storing Li-ion batteries at high temperature dramatically reduces its capacity. For example storage around maximum temperature reduces capacity with 20 % in less than a month, permanently.

Compliance to European regulations and standards

EU directives and regulations:	1999/5/EC (R&TTE), 2009/125/EC (Eco Design), 2011/65/EU (RoHS), 2002/96/EC (WEEE), 94/62/EC (Packaging and packaging waste), 2006/66/EC (Battery Directive), Regulation 1907/2006 (REACH)
Product marking/certification:	  
Radio:	EN300 328, EN301 893, EN 301 511, EN 301 908-1, EN 301 908-2, EN 300 440-2
SAR (Specific Absorption Rate):	EN50360 (close to ear) 0.468 W/kg (10 g) EN50566 (handheld/body mounted) 0.848 W/kg (10 g)
Safety:	EN60950-1
EMC:	EN301 489-1, EN301 489-17, EN 301 489-3 EN301 489-7, EN301 489-24

Compliance to US regulations and standards

Product marking:	FCC ID: BXZ SH1C
SAR (Specific Absorption Rate):	FCC/OET Bulletin 65 Supplement C and IEEE Std. 1528 Normal operation 0.580 W/kg (1 g) Body worn operation 1.229 W/kg (1 g)
EMC/Radio:	FCC 47CFR Part 15 Subpart B, FCC 47CFR Part 15 Subpart C FCC 47CFR Part 15 Subpart E, FCC 47CFR Part 22 subpart H, FCC 47CFR Part 24, subpart E
Safety:	IEC60950-1 including national deviations
Hearing aid:	47 CFR Part 68, ANSI C63.19


Compliance to Canadian regulations and standards

Product marking:	IC: 3724B-SH1C
SAR (Specific Absorption Rate):	RSS-102, Issue 3 Normal operation 0.580 W/kg (1 g) Body worn operation 1.229 W/kg (1 g)
EMC/Radio:	RSS-210 Annex 8, RSS-132, RSS-133

Specifications are subject to change without notice.

Safety: IEC60950-1 including national deviations
Hearing aid: CS-03, Issue 9

Compliance to Australian and New Zealand regulations and standards

Product marking: 
EMC/Radio: Radiocommunications Act 1992, Telecommunications Act 1997
AS/CA S042
Audio: AS/ACIF S004
Safety: AS/NZS 60950-1
SAR (Specific Absorption Rate): EN50360 (close to ear) 0.468 W/kg (10 g)
EN50566 (handheld/body mounted) 0.848 W/kg (10 g)



Connexus Communications Limited
Unit D2
Baldonnell Business Park
Naas Road
Dublin 22
Ireland
T: 00 353 1 4105866, F: 00 353 1 4105867
info@connexus.ie
www.connexus.ie

Specifications are subject to change without notice.