





<b>Indication</b>	
Types (Notifications):	Multi-color LED Vibration Ringtones Message beeps Notification sounds
<b>Camera</b>	
Flash:	Yes (can be also used as flashlight)
Auto Focus:	Yes
Front-facing Camera Resolution:	2592 x 1944 pixels (5 Megapixels)
Rear-facing Camera Resolution:	4160 x 3120 pixels (13 Megapixels)
<b>Audio</b>	
Voice Quality:	Wideband audio
Transmission:	Full duplex (simultaneous talking and listening)
Loudspeaker:	Duplex loudspeaking function
Maximum Sound Ring Signal Level:	88 dBA at 10 cm
Hearing Aid:	American (US) Hearing Aid Compatible (HAC) standard
Microphone:	Speech microphone on the bottom side Noise canceling microphone on the top side
<b>Battery</b>	
Type:	Main easily replaceable Li-ion 2935 mAh battery Built-in Li-ion 200 mAh battery
System Stand-by Time:	Up to 180 hours
Speech Time:	Up to 18 hours
Charging Time:	Approx. 5 hours (in Charging Rack - CR7)
<b>Headset</b>	
660516	Headset, mic on cable 3.5 mm
660515	Headset adapter with QD 3.5 mm
660508	Headset "mic on boom" with QD, BIZ 2400 II (requires adapter 660515 )
	Any Android compatible 3.5 mm headset
	Headset connector for Android compatible headsets, CTIA pinout

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## DATA SHEET, Ascom Myco™ 3 Wi-Fi

<b>Accessories</b>	
CR7-AAAA	CR7 Charging Rack
CR8-AAAA	CR8 Battery Charging Rack
DC5-AAAB	DC5 Desktop Charger SH2 (including single battery charger)
660578	Battery Pack SH2 (incl. Battery cover)
660579	Color stickers for clip SH2
660586	Micro USB cable
660587	USB Power supply (delivered with interchangeable plugs for EU, UK, USA/CA, and AU/NZ)
660580	Cover rear, no clip SH2
660585	Cover rear, with clip SH2
660589	Replacement Screen Protector Kit
<b>Bluetooth</b>	
Supported Version:	4.1. inc. Bluetooth Low Energy (BLE)
Radio Spectrum:	ISM 2.4000 — 2.4835 GHz
Output Power:	Class 1, maximum 10dBm
<b>NFC</b>	
Modes & Supported Standards:	<p>Read/write:</p> <ul style="list-style-type: none"> <li>NfcA (ISO14443-3A)</li> <li>NfcB (ISO14443-3B)</li> <li>NfcF (JIS 6319-4)</li> <li>NfcV (ISO 15693)</li> <li>soDep (ISO 14443-4)</li> <li>NFC Forum Tag Types 1, 2, 3, 4, 5 (defined by the NFC Forum)</li> </ul> <p>Peer-to-peer:</p> <ul style="list-style-type: none"> <li>NFCIP-1 (ISO 18092)</li> <li>LLCP 1.1</li> <li>SDP 1.0</li> <li>NDEF Push Protocol</li> <li>SNEP 1.0</li> </ul> <p>Host Card Emulation</p>
<b>Ascom Infrared Location Receiver</b>	
IR Wavelength:	940 nm
Carrier Frequency IR:	38.7 kHz / 40.6 kHz

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Modulation:	FSK	
Interference Handling:	Can handle interference such as sunlight and EMI	
<b>Supported Barcodes</b>		
1D Symbologies:	UPC / EAN Bookland EAN UCC Coupon Code ISSN EAN Trioptic Code 39 Code 32 Composite Codes Codabar Inverse 1D	Code 93 Code 11 MSI GS1 DataBar Code 128 GS1-128 Code 39 Chinese 2 of 5 Korean 3 of 5
2D Symbologies:	PDF417 MicroPDF417 Maxicode Aztec QR Code MicroQR	Aztec Inverse Data Matrix Data Matrix Inverse QR Inverse Han Xin Inverse Han Xin
Postal Codes:	US Postnet UK Postal Japan Postal US Planet	Australian Postal Netherlands KIX Code USPS 4CB / One Code / Intelligent Mail UPU FICS Postal
Decode Ranges Examples:	Code 128 (barcode size 5 mil) (near 2.0 in / 5.1 cm; far 4.8 in / 12.2 cm) Code 39 (barcode size 5 mil) (near 1.7 in / 4.3 cm; far 5.8 in / 14.7 cm) PDF417 (barcode size 6.6 mil) (near 1.6 in / 4.1 cm; far 4.9 in / 12.4 cm) Data Matrix (barcode size 10 mil) (near 1.2 in / 3.0 cm; far 4.9 in / 12.4 cm) QR (barcode size 10 mil) (near 1.1 in / 2.8 cm; far 5.2 in / 13.2 cm) UPCA (barcode size 100%) (near 2.0 in / 5.1 cm; far 10.6 in / 26.9 cm) Code 39 (barcode size 20 mil) (near 2.1 in / 5.3 cm; far 13.6 in / 34.5 cm)	
<b>SIP Telephony</b>		
Protocols:	SIP supporting RFC3550, RFC4566, RFC4733, RFC4734, RFC3261, RFC3264, RFC6665, and RFC3515	
Voice Codecs:	G.711 A-law (EU), G.711 u-law (US), G.722, G.729	

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<b>Wi-Fi</b>	
Supported Standards:	Wi-Fi 802.11 a/b/g/n/ac
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), 5.725–5.850 GHz (Ch 149-165)
Data Rates:	802.11 a/n/ac - Single stream - MCS0-9 - 20/40/80 MHz: Up to 433 Mbit/s 802.11 b/g/n - Single stream - MCS0-7 - 20/40 MHz: Up to 150 Mbits/s
Radar Detection:	802.11h
Regulatory Domain:	Country dependent
Network Selection (SSID):	Multiple, auto selection, and manual selection
Quality of Service (QoS):	WMM
Security Standard:	IEEE 802.11i
Encryption Methods:	AES-CCMP
Authentication Methods:	802.1X Original 802.11 open/ WPA-PSK/WPA2-PSK/PEAP-MSCHAPv2/EAP-TLS/EAP-TTLS/MSCHAPv2 Authentication certificate
Roaming Enhancements:	Opportunistic Key Caching, PMKSA caching 802.11 k/r/v fast transition roaming for excellent voice quality and uninterrupted app use for mobile workers
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
<b>Ascom Myco Article Numbers</b>	
Ascom Myco 3 Wi-Fi	SH2-ABAA
Ascom Myco 3 Wi-Fi EU	SH2-ABBA
<b>Environmental</b>	
Operating Temperature:	-20° to 60° C (-4° to 140° F)
Storage Temperature <sup>1</sup> :	-20° to 50° C (-4° to 122° F), less than 1 month for the battery
Charging Temperature:	>=5° to 40° C (>=41° to 104° F)

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Enclosure Protection:	IP 67
Disinfection Possibilities:	Daily up to five times with Ethanol 85%, VirkonS 1%, and also Isopropyl/ Isopropanol 85% Sporadic up to one time a week with Ethanol 85%, and also Chlorhexidin 0.5 mg/ml
Medical Gloves:	The device is verified for use in the following gloves: Nitrile gloves with the thickness of 0.05 mm Vinyl gloves with the thickness of 0.035 mm
Immunity to Electrostatic Discharge (ESD):	8 kV contact discharge and 15 kV air discharge (EN61000-4-2)
Free Fall Test <sup>2</sup> :	IEC 60068-2-31, procedure 1, dropped 12 times from 1.2 meter IEC 60068-2-31, procedure 2, dropped 1000 times from 0.5 meters
Drop Test (Shock test):	Multiple drops over a concrete block according to MIL-STD-810G

**Compliance with European Regulations and Standards**

EU directives and regulations:	2014/53/EU (RED), 2015/863 (RoHS3) amending 2011/65/EU, 2012/19/EU (WEEE), 94/62/EC (Packaging and packaging waste), 2006/66/EC (Battery Directive), Regulation 1907/2006 (REACH)
Product marking/certification:	   BT QD: D044287
Radio:	EN300328, EN 301 893, EN303 413, EN300440, EN300330
SAR (Specific Absorption Rate):	EN50360 (close to ear) 0.093 W/kg (10 g) EN50566 (handheld/body mounted) 0.065 W/kg (10 g)
Safety:	EN 62368-1 EN 60601-1
EMC:	EN 301489-1, EN 301489-3, EN 301489-17, EN 301489-19, EN 55032, EN 55035, EN 60601-1-2


**Compliance with US Regulations and Standards**

Product marking/certification:	FCC ID: BXZSH2  BT QD: D044287
SAR (Specific Absorption Rate):	FCC 47CFR §2.1093(d) and IEEE Std. 1528 Normal operation 1.351 W/kg (1 g). Body worn operation 0.417 W/kg (1 g).
EMC/Radio:	FCC 47CFR Part 15 Subpart B, FCC 47CFR Part 15 Subpart C FCC 47CFR Part 15 Subpart E
Safety:	UL 62368-1
Hearing Aid:	FCC 47CFR part 68



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## DATA SHEET, Ascom Myco™ 3 Wi-Fi

**Compliance with Canadian Regulations and Standards**

Product marking/certification:	ISED: 3724B-SH2  BT QD: D044287
SAR (Specific Absorption Rate):	RSS-102, Issue 5 Normal operation 1.351 W/kg (1 g) Body worn operation 0.417 W/kg (1 g)
EMC/Radio:	RSS-247, RSS-210, ICES-003
Safety:	CAN/CSA-C22.2 NO. 62368-1-14
Hearing Aid:	CS-03 Part V Issue 9

**Compliance with Australian and New Zealand Regulations and Standards**

Product marking:	  BT QD: D044287
EMC/Radio:	AS/NZS 4268, EN 55032
Audio:	AS/ACIF S004
Safety:	AS/NZS 62368:2018
SAR (Specific Absorption Rate):	EN50360 (close to ear) 0.093 W/kg (10 g) EN50566 (handheld/body mounted) 0.065 W/kg (10 g) AS/NZS 2772.2 IEC 62479

1. Note that storing Li-ion batteries at high temperature dramatically reduces their capacity. See the [Battery Storage and Maintenance Guidelines](#).
2. IEC 60068-2-31 supersedes IEC 60068-2-32 and requirements are equivalent in free fall test.

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