

JAMES® Model B8 Pro



Hardware

Model	B8 Pro
Dimensions / weight	55x31x14.8mm / 42g
IP rating	IP67
Screen	1.0 inch TFT, 128x64 pixel, no touch
Button	One SOS / power button with heart icon
CPU chipset	Unisoc W307, Cortex A53 1Ghz+ GR5515
Watch OS	RTOS Thread X
Position	GPS + LBS + WIFI (2.4G 802.11b/g/n) + AGPS + Google Position Service
GPS antenna	LDS external laser curved
GPS chip	W307
RAM + ROM	24MB + 16MB
Vital sensor	PAH8009: heart rate, blood pressure, SpO2, temperature
3D accelerator	DA217
Charge port	Magnetic 2 pin, with magnetic charging cable
Operating temp.	-10° C to +60° C
Strap	18mm silicon strap

Battery

Battery	3.8V / 680mAh, rechargeable
Battery type	Lithium Polymere
Charging voltage	5V / 1A
Standby / Charging time	4 days, 90 minutes

Network and SIM

Frequency bands	GSM 900/1800MHz 3G WCDMA: B1, 8 4G LTE B1, 3, 5, 7, 8, 9, 19, 20, 28, 40, 41
SAR values	GSM 900: 0,698 / 0,937, GSM 1800: 0,513 / 0,797 FDD B1: 0,534 / 0,735, FDD B5: 0,312 / 0,681 LTE B1: 0,441 / 0,630, B3: 0,284 / 0,401, B7: 0,160 / 0,323, B8: 0,256 / 0,504, LTE B40: 0,211 / 0,338
SIM size	Nano
Operator	Swisscom (SIM from Switzerland with phone prefix +41)
Roaming	roaming into all EU networks
VoLTE	YES (Voice over LTE in 4G network)

Packaging

Box size / weight	72x78x100mm / 120g
Carton size / weight	50pcs: 22x40x38cm / 9.5kg
Box content	1 x B8 watch, 1 x user manual, 1 x magnetic charging cable, 1 x plug

Features

Integrations with FAT	Enovation UMO, Tunstall PNC
Integrations without FAT	Skyresponse, TeleAlarm, UMO
Alerts (direct call to alert centre)	• Button press alert • Fall alert with 3 different sensitivity settings • Optional: alert when leaving a geofence for longer than 5 minutes (for dementia)
Warnings	• Battery low warning • Signal lost warning when there is no data connection to the watch • Warning if no steps measured until a specific time in the morning (like missing the daily welfare check on stationary devices)
Heartbeat	Status heartbeat to server every 10 minutes
App	Optional: iOS and Android App for family to review battery level and check that everything is OK (for example: receive notification on first steps of the day)