

Smart Badge 3 Mini



Technical Specifications

Smart Badge 3 Mini

Physical	Height Width Depth Weight Casing IP rating (protection) Tamper-proof casing Flammability rating IR front color Visual status indicator Product Identifier Button	2.28 in (58mm) 2.28 in (58mm) 0.46 in (11.8 mm) 1.1 oz (31.5 grams) IP65 (water-resistant) No UL V0 anti-flammable Black RGB (green) QR code, MAC address, Unique ID One programmable button Low-profile, recessed button to minimize accidental presses
Environmental	Operating temperature Storage temperature Operating humidity Storage humidity Storage shelf life	-40°F to +158°F (-40°C to +70°C) Recommended: ≤+86°F (≤+30°C) Absolute min/max: -40°F to +158°F (-40°C to +70°C) 10%-95% RH (non-condensing) 5%-95% RH (non-condensing) 2 years
Battery Power	Battery life Number of batteries Total capacity Replaceable Power activation	Up to 4 years with IR and factory default settings 1 cell 1900 mAh No Button long press (5s) to turn ON Turning OFF disabled by factory default
Bluetooth Low Energy (LE)	Wireless standard Range Frequency range Sensitivity Output power	Bluetooth LE 5.4 Up to 230 feet (70 meters) in open space 2.402GHz - 2.480GHz -96 dBm Bluetooth LE 1 Mbps -20 dBm to +4 dBm programmable levels
Sensors and Peripherals	IR (Infrared) sensor Ambient Temperature sensor Accelerometer Button sensor Vibration motor	IR photo-detector and preamplifier with advanced noise-suppression, enhanced sensitivity and wide angle view Range: -40°F to 185°F (-40°C to 85°C) Accuracy at +25°C: ± 2.5°C Ultra low-power high performance 3-axis accelerometer BLE-burst feature upon button press for guaranteed signal delivery Badge briefly vibrates when a button press event is emitted.
Certifications	FCC, CE, UKCA, Reach/TSCA, RoHS, WEEE	

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Configurable parameters

Bluetooth LE parameters

Parameter	Factory default*	Configurable
BLE packets	Kontakt.io Location	Yes; Kontakt.io Location, Telemetry, iBeacon, Eddystone
BLE interval	1000ms	Yes
BLE name	Kontakt	Yes
iBeacon major, minor, UUID	Random	Yes; custom request
TX power	-4 dBm	-20 to +4 dBm

IR parameters

Parameter	Factory default*	Configurable
IR listening interval	4s	Yes Warning: Receiver's interval should be set to 1s or multiples of 2s to properly receive IR signal. Changing this setting will heavily impact device battery lifetime.
IR power saving	On	Yes; on/off
IR listening duration	2s	Yes

Button and sensor parameters

Parameter	Factory default*	Configurable
Turn off with long button press	Disabled	Yes; enable/disable
Button press event	Triple press for Staff Safe Single press for RTLS	Yes; single press/triple press
Temperature	Off	Yes; on/off via Telemetry packet
Accelerometer raw data (x,y,z)	Off	Yes; on/off via Telemetry packet
Vibration motor	On	No

* Custom or use-case configurations can be requested at the time of order placement.