

Beam Mini 2



Technical Specifications

Beam Mini 2

Physical	Height	4.7 in (12 cm)
	Width	4.7 in (12 cm)
	Depth	1.7 in (4.5 cm)
	Weight	8.3 oz (235 g)
	Casing IP rating	IP54
	Flammability rating	UL 94 V-0 flame-retardant
	Visual status indicator	Green LED; during power on
	Product identifier	QR code, MAC address, Unique ID
	Battery-power switch	On/Off
	Mounting	Ceiling; vertical or horizontal mounting kit, specified at order placement
Environmental	Vertical ceiling kit	Weight: 2.9 oz (82 g) Dimensions: H 5.5 in (14 cm) × W 5.5 in (14 cm) × D 2.6 in (6.5 cm)
	Horizontal ceiling kit	Weight: 2.0 oz (56 g)
	Operating temperature	14°F to 149°F (−10°C to +65°C)
	Storage temperature	−4°F to +158°F (−20°C to +85°C)
	Operating humidity	10%-95% RH (non-condensing)
Battery Power	Storage humidity	5%-95% RH (non-condensing)
	Storage shelf life	2 years
	Battery life	Up to 5 years with Kontakt io location engine, IR enabled (default); may vary by use case and configuration
	Battery type	5 x AA 3.6V Lithium Battery (ER14505)
Bluetooth Low Energy (LE)	Total capacity	13500 mAh
	Replaceable	Yes
	Wireless standard	Bluetooth LE 5.4
	Range	Up to 230 ft (70 m) in open space
	Frequency range	2.402GHz -2.480GHz
	Sensitivity	−96 dBm Bluetooth LE 1 Mbps
Sensors and Peripherals	Output power	−20 to +4 dBm programmable levels
	Antenna gain	4.0-4.5 dBi
	Ambient Temperature sensor	Range: 41°F to 140°F (5°C to 60°C) Typical accuracy: +/- 0.2°C to 0.7°C
	Relative Humidity sensor	Range: 0-100% RH Typical accuracy: +/- 2% to 3% RH
	Barometric Pressure sensor	Range: 300 to 1100 hPa; within the device temperature range Typical Accuracy: ±0.3 hPa (absolute) ± 0.03 hPa (relative)
	IR (Infrared) Emitter	8 diodes
Certifications	IR Wavelength	940 nm
		FCC, CE, REACH & RoHS

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Configurable parameters

Bluetooth LE parameters

Parameter	Factory default*	Configurable
BLE packets	Kontakt.io Location, Telemetry	Kontakt.io Telemetry, Location, iBeacon, Eddystone
BLE interval	1000 ms	Yes
BLE name	Kontakt	Yes
iBeacon major, minor, UUID	Random	Custom request required
TX power	0 dBm	-20 dBm to +4 dBm

IR parameters

Parameter	Factory default*	Configurable
IR blink interval	2s	Yes; 1 to 10s
IR intensity	50%	Yes; 0 to 100%

Sensor parameters

Parameter	Factory default*	Configurable
Ambient Temperature	On	Yes; on/off via Telemetry packet
Relative Humidity	On	Yes; on/off via Telemetry packet
Barometric Pressure	On	Yes; on/off via Telemetry packet

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

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Get in Touch

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