

# BLE: Bluetooth Smart - 2.4 GHz

	BEACONS			BluFi
				
<b>Product Family</b>	BEEKs™			BluFi™
<b>Sub-family</b>	Lite	Industrial	Badge	US/EU/UK/AU
<b>Description</b>	BLE beacon without sensors to be used for Proximity Marketing and/or real-time location (RTLS).	Rugged BLE beacon with embedded sensors to measure temperature, ambient light and magnetic field, along with accelerometer to measure movement and vibration.	Beacon badge that can be optionally combined with passive RFID for access control. Typically used for optimizing office utilization or mustering.	BluFi acts as gateway between BLE beacons and existing WiFi networks to enable cloud based remote management, location and beacon data collection. This model plugs into any standard A/C outlet.
<b>Bluetooth Type</b>	Bluetooth Low Energy 4.1 (Bluetooth Smart), 2.4 GHz ISM			Bluetooth Low Energy 4.1
<b>Bluetooth Sensitivity</b>	-97dBm			-98dBm
<b>Processor Type</b>	ARM Cortex M4 and ARM Cortex M3			ARM Cortex M4 and ARM Cortex M3
<b>Memory</b>	55KB Flash (512 KB optional)			256KB Flash (100KB free for custom applications)
<b>Protocols</b>	Eddystone, iBeacon, sBeacon			Eddystone, iBeacon, sBeacon, WiFi
<b>Power</b>	Up to 5 year battery life		Up to 2 year battery life	100-240 VAC, 50/60 Hz
<b>Dimensions</b>	2.36 x 0.85 in (60 x 21 mm)		2.14 x 3.39 in (54 x 86 mm)	2 x 1.5 x 1.5 in (50 x 38 x 38 mm)
<b>Affixation</b>	Stick		Clip	A/C power plug
<b>Weight</b>	1 oz (28 g)		0.5 oz (14 g)	1.7 oz (48 g)
<b>Water resistance</b>	IP67			
<b>Operating temperature</b>	-22° to +154° F (-30° to +68° C)		-13° to +149° F (-25° to +65° C)	-13° to +149° F (-25° to +65° C)
<b>Withstands Exposure To</b>	Water and UV Resistant			
<b>Compliant with</b>	FCC / CE / JRF / IC		FCC / CE	FCC/CE/UL/FRE

## Advanced BLE Beacons with sensor technology and multi-protocol support

BEEKs™ Bluetooth Low-Energy (BLE) beacons are among the most advanced beacons in the industry. Being fully Apple iBeacon and Google Eddystone compatible, BEEKs beacons may be used for any standard beacon application that provides location based promotional services to smartphone users. When combined with HID Global's end-to-end IoT ecosystem, that includes BluFi™ BLE to WiFi gateways and the Bluzone™ cloud services, BEEKs can be centrally managed through the cloud to transfer messages, firmware updates and status information remotely. Their unique design allows BEEKs to broadcast reliably even in densely populated WiFi environments.

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