

Bluetooth Asset Tag

SLIM ASSET BLE TAG



GATT AND ADVERTISING

Full support for specifications Eddystone Configuration GATT Service by Google

Up to 4 slots configurable for Eddy frame types: UID, URL, TLM, EID

Up to 4 slots configurable for the following frame types: iBeacon, Quappa (emulation mode), Sensors

TX Power	-40, -20 to 4dBm (with 4 dB steps). Programmable time period
Advertising Interval	0.1 to 60 secs. Programmable for each slot
Global Configuration Options	Non-Connectable Mode, Anonymous Mode, Programmable Time Period, Locked / Unlocked Mode, Change Password
Firmware Update	OTA (Over-the-Air) Firmware Update

ELECTRICAL SPECIFICATIONS

Core Module	Nordic nRF52832 SoC (MCU and Radio Transceiver)
MCU Core	ARM Cortex-M4 32-bit CPU
Current Consumption (25°C)	Radio TX: 7.1 mA (0 dBm TX) Radio RX: 6.5 mA Idle Mode: 3 µA Idle Mode with Accelerometer ON: 7 µA

RADIO SPECIFICATIONS

Standard	Bluetooth 4.2, Bluetooth Low Energy (compatible with BLE 5.x)
Frequency Band	2.402 to 2.480 GHz (According to Bluetooth 4.0 Specification)
Advertising Channels	CH37 (2.402 GHz), CH38 (2.426 GHz), CH39 (2.480 GHz) (according to Bluetooth 4.0 specifications)
Channel Spacing	2 MHz (according to Bluetooth 4.0 specifications)
TX Power	Conducted +4 dBm (max) EIRP (Equivalent Isotropic Radiated Power): +6 dBm (max)

FEATURES

- Suitable for asset identification and location
- Based on Nordic nRF52832
- 3-axis accelerometer for motion detection
- Simultaneous support of iBeacon and Eddystone
- Splash-proof case with flexible fastening options
- Optional version with button and LEDs
- Powered by 2x replaceable CR2032 batteries

TECHNICAL DATA

ANTENNA

Type	Integrated meandered planar inverted F-antenna (PIFA)
Gain	2 dB (max)
Radiation Diagram	Omnidirectional

POWER

Power Supply	Battery
Replaceable	Yes
Type	2x CR2032 (3V, lithium)
Model	Panasonic CR2032 or equivalent (typical capacity 440 mAh @ 25°C)

SENSORS AND INTERFACES

Version	STD	BUT
Sensors	3-axis MEMS linear accelerometer	3-axis MEMS linear accelerometer Button
Interfaces	-	2x LEDs

MECHANICAL SPECIFICATIONS

Material	ABS plastic
Color	White
Size	67 x 33 x 9 mm
Weight	18 gr
Fastening	4 holes for max. M3.5 screws or cable-ties
Opening	4 screws
Protection	IP54
Flammability	UL 94 HB

APPLICABLE STANDARDS

Operating Temperature	-20°C to +60°C (battery operating life sharply decreases under 0°C)
Storage Temperature	+10°C to +30°C (with battery), -40°C to +85°C (without battery)

CERTIFICATIONS

CE, FCC

ORDER CODES

VERSIONEN	ORDER CODES
Slim Asset BLE Tag	IOT-BT-BL-IN-5401