

SIGMA SMART TAG Beacon

**PART ID:
4919**

BLE beacon with 7-10 yr battery life. Longest battery life beacon.
Does not include onboard sensors. Long battery beacon perfect for:
RTLS [Real-Time Location System] – Tracks assets with a one-meter
accuracy. PLS [Proximity-Based Location System] – AI

Main Specifications

Frequencies	LF HF UHF
Material	ABS
Operating Temperature	-30°C to 77°C
IP Class	IP67
Compliance	RoHs & Reach, CE
Key Features	Eddystone, iBeacon, Sophisticated Authentication, Location Accuracy, Cloud Managed



Full Specifications

Product ID	4919
Name	SIGMA
Material	ABS
Shape	BLE Beacon
Short Description	BLE beacon with 7-10 yr battery life. Longest battery life beacon. Does not include onboard sensors. Long battery beacon perfect for: RTLS [Real-Time Location System] – Tracks assets with a one-meter accuracy. PLS [Proximity-Based Location System] – AI
Long Description	BLE beacon with 7-10 yr battery life. Longest battery life beacon. Does not include onboard sensors. Long battery beacon perfect for: RTLS [Real-Time Location System] – Tracks assets with a one-meter accuracy. PLS [Proximity-Based Location System] – Alerts you know when an asset enters/exits or is in proximity to a specified area. Proximity Marketing – Provides behavioral analytics such as dwell-times, path history and merchandising effectiveness. Asset / wayfinding Beacon (no sensors). Extended battery for ~10 years Also great for retail applications that require multiple transmission protocols, high power and high broadcast rates. White Housing.
Key Features	Eddystone, iBeacon, Sophisticated Authentication, Location Accuracy, Cloud Managed

®TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS declines all responsibility for the use of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility. Where application information is given, it is only advisory and does not form part of the specification.

Article Type	Beacon
Color	White
Length [mm]	61.3
Width [mm]	37.2
Weight [g]	76
Operating Temp °C (min)	-30
Operating Temp °C (max)	77
Storage Temp °C (min)	-30
Storage Temp °C (max)	77
IP Class	IP67
Compliance	RoHs & Reach, CE
Battery	7200 mAh 3.6V
Battery Life	Up to 10 Years
AC Plugs	None
Power Consumption RX	7.5mA RX Active Mode
Power Consumption TX	6.5mA TX Active Mode
Power Output (Range)	-40dBm to +5dBm. Can be configured over the air (Phone of from Cloud via BluFi)
Power Consumption Sleep	1.6 ?A(SRAM retention and RTC running)
Bluetooth Type	Bluetooth Low Energy 4.1
Bluetooth Sensitivity	-97dBm
Bluetooth Max Power Output	+5dBm
Bluetooth Antenna	0dBm Single Antenna, Omni Directional
Bluetooth Data Rate	1Mbit/s / 2Mbit/s
Bluetooth Security	128 bit AES
Sensors	High Accuracy Temperature sensor, 3 Axis Accelerometer, magnetometer, Light Sensor
NFC and RFID Integration	No
Internal Flash Memory	55KB
LED	Red
Manage services	Cloud

VARIANTS

ID	Variant
4919-01-000-00	Industrial Plus