

SIGMA  
SMART TAG  
Beacon

PART ID:  
**4915**

BLE beacon with 5-yr battery life. Includes onboard sensors for ambient light, temperature and 3-axis acceleration / vibration. Primary usage is Condition Monitoring and RTLS services. White housing4

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        | 4915                                                                                                                                                                                                    |
| Name              | SIGMA                                                                                                                                                                                                   |
| Material          | ABS                                                                                                                                                                                                     |
| Shape             | BLE Beacon                                                                                                                                                                                              |
| Short Description | BLE beacon with 5-yr battery life. Includes onboard sensors for ambient light, temperature and 3-axis acceleration / vibration. Primary usage is Condition Monitoring and RTLS services. White housing4 |
| Long Description  | BLE beacon with 4-yr battery life. Includes onboard sensors for ambient light, temperature and 3-axis acceleration / vibration. Primary usage is Condition Monitoring and RTLS services. White housing. |
| Key Features      | Eddystone, iBeacon, Sophisticated Authentication, Location Accuracy, Cloud Managed                                                                                                                      |
| Article Type      | Beacon                                                                                                                                                                                                  |
| Color             | White                                                                                                                                                                                                   |
| Length [mm]       | 60                                                                                                                                                                                                      |
| Width [mm]        | 21                                                                                                                                                                                                      |
| Thickness [mm]    | 25                                                                                                                                                                                                      |

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|                            |                                                                                    |
|----------------------------|------------------------------------------------------------------------------------|
| Weight [g]                 | 28                                                                                 |
| 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                    | 3.6V / 2600mAh – Primary Lithium                                                   |
| 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          |
|----------------|------------------|
| 4915-01-000-00 | Industrial White |