

SmarTag GNSS

Datasheet

G4T_V1R2



The **SmarTag GNSS portable positioning and tracking device** provides GNSS-based outdoor and BLE-based indoor position tracking functionalities, along with data communication capabilities over 2G/4G cellular networks. By design, the SmarTag GNSS can autonomously manage and bridge network outages in poorly covered areas with using a built-in offline data storage to prevent information loss.

The SmarTag GNSS is also equipped with dedicated components to enable remotely controllable audible, visual, and haptic feedback functionalities, along with an inertial sensor for motion state tracking capabilities. It also contains a built-in battery, that can be wirelessly recharged with the Wireless Charging Station devices provided.

The SmarTag GNSS can be optionally integrated with other handheld and wearable devices (e.g. smartphones, -watches) or other compatible appliances by using the built-in Bluetooth® Low Energy (BLE) interface.

Electrical Data

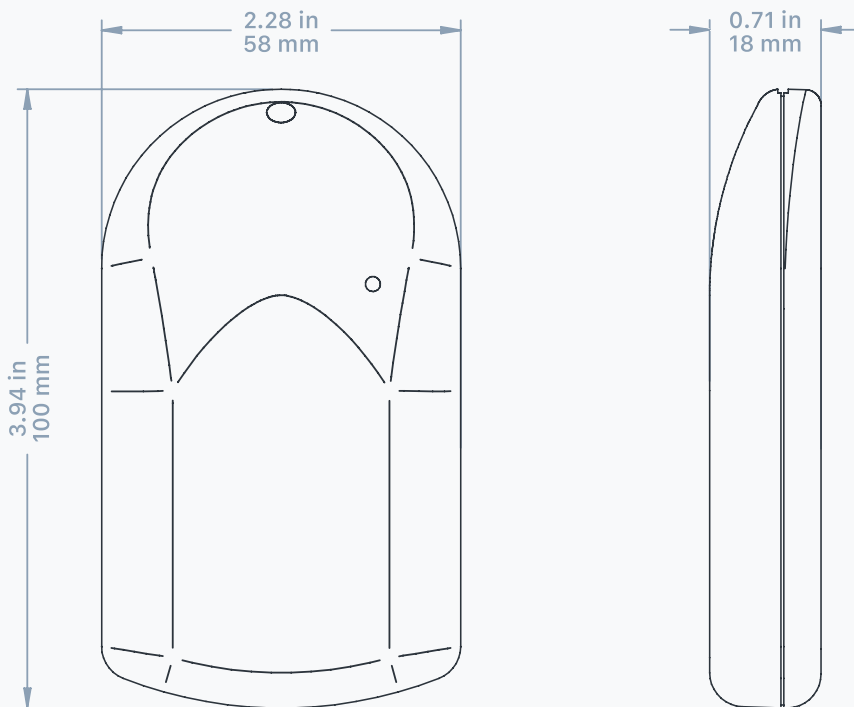
Battery capacity	980 mAh @ 3.7 V (rated)
Battery lifetime	typ. 16 hours (highly depends on configuration)
Wireless charging	WPC 1.2.4 (Qi) compliant
Ambient temperature	0 ... +45 °C / 32 ... 113 °F
Humidity	5% ... 95% r.H. (non-condensing)

RF Properties

Technologies	GPS, Galileo, GLONASS (Concurrent GNSS) LTE-FDD/TDD, GSM, GPRS, EDGE (4FF SIM card slot) Bluetooth v5.4 (BLE)
Frequency bands	L1, E1, L1OF - GNSS B1-B5, B7, B8, B12, B13, B18-B20, B25, B26, B28, B66 - LTE-FDD B38, B39, B40, B41 - LTE-TDD 850, 900, 1800, 1900 MHz - GSM/GPRS/EDGE 2.4 GHz ISM - BLE
Transmission power	+30 dBm max. (Cellular) +3 dBm max. (BLE)

Mechanical Data

IP rating	IP40
Outer dimensions	100 mm × 58 mm × 18 mm / 3.94" × 2.28" × 0.71"
Weight	83 g / 2.93 oz



EU Declaration of Conformity

Product:

SmarTag GNSS

Portable positioning and tracking device

G4T_V1R2

Manufacturer:

Pozi Development Kft.

Frankel Leó út 45, Budapest 1023, Hungary

Manufacturer declares, under its sole responsibility,
that the product complies with the requirements of the directives:

2014/30/EU - Electromagnetic Compatibility Directive

Manufacturer declares, under its sole responsibility,
that the product has been designed and tested in accordance with the standards:

EN 61000-6-3:2020 - Radiated RF emission limits

EN 61000-6-2:2019 - Radiated RF disturbance immunity (industrial)

EN 61000-6-2:2019 - ESD immunity (industrial)



Dr. Buchwald Milán, CEO
Pozi Development Kft.

Budapest, 2024.08.01