

# SafeTag

## Datasheet

Part No. WLT\_V5R1



The SafeTag is a handheld device providing UWB-based real-time distance measurements and distance-based safety warnings for pedestrians in the proximity of MHEs equipped with SafeRadar units. The SafeTags have built-in batteries, which can be wirelessly recharged with the SafeTag Charger devices provided.

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

### Electrical Data

Battery capacity	800mAh @ 3.7V (rated)
Battery lifetime	typ. 12 hours (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	IEEE802.15.4-2011 - UWB Bluetooth v5.0 - BLE
Frequency bands	3.5 GHz to 6.5 GHz - UWB 2.4 GHz ISM - BLE
Supported channels	1-5, 7 (according to IEEE802.15.4-2011 UWB) 0-39 (according to Bluetooth Core Spec v5.0)
Transmission power	-41.3 dBm/MHz max. (UWB spectral density) +3 dBm max. (BLE)

### Mechanical Data

IP rating	IP40
Outer dimensions	85mm x 48mm x 15mm / 3.34" x 1.88" x 0.59"
Weight	50g / 1.764oz

## Dimensions

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