



## NBLoT Indoor thermometer device

LPWAN thermometer device has been designed for indoor temperature monitoring and can be delivered in various accuracy specifications based on intended purpose:

- ✓ Internal thermometer +/- 0.1°C
- ✓ Internal thermometer +/-0.5°C
- ✓ Internal thermometer +/-1°C

The device is battery operated and battery lifetime has been optimized by selection of high quality and ultra low power components. 1+ year between battery replacement can be expected. Enclosure is made of high-quality ABS plastic and has been designed to meet high demanding interior requirements, all components are protected to survive condensing environment.



### Usage

- Indoor air temperature monitoring
- Freezer/refrigerator performance monitoring
- Air condition performance monitoring

LPWAN Indoor thermometer	Parameter
Protection	IP20, condensing environment possible
Power supply	3V lithium battery CR2/800mAh
Power consumption	<3,5uA in deep sleep/500mA (NBLoT)
Battery lifetime	Aprox. 4000 messages
Supported LPWAN standards	NBLoT
Dimensions	80 x 40 x 20mm, available in black, gray and white, custom front panel
Weight standard/radiation	80g
Temperature sensors available	Si7051, accuracy from 0.1°C to 1°C, range -40 to +85°C
Accelerometer, tamper contact	Optional, antitheft protection, magnetic contact for configuration downlink invoke
Antenna/typical range	PCB, gain 2.5dBi/45 to 110km depends on LPWAN technology

