



## LPWAN picoUNI indoor T / T-RH 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

T/RH sensor can be equipped upon request, see specification below.

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 picoUNI T / T-RH	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, LoRaWAN
Dimensions	80 x 40 x 20mm, available in black, gray and white, custom front panel
Weight standard/radiation	80g
Temperature sensor	Si7051, accuracy from 0.1°C to 1°C, range -40 to +85°C
Temperature/air rel. humidity sensor	Si7021, Precision Relative Humidity Sensor <ul style="list-style-type: none"> <li>• ± 3% RH (max), 0–80% RH</li> <li>• High Accuracy Temperature Sensor</li> <li>• ±0.4 °C (max), -10 to 85 °C</li> </ul>
Accelerometer, tamper contact	Optional, antitheft protection, magnetic contact for configuration downlink invoke
Antenna/typical range	helical, gain 2dBi/45 to 110km depends on LPWAN technology

