

Technical features



Walk-in refrigerator gauge

Send temperature and humidity data from any kind of walk-in refrigerator or fridge, without using electricity nor WiFi

- ✓ Accuracy gauge to measure temperature and humidity from walk-in refrigerators and fridges
- ✓ Contains two devices: Master e Minion
- ✓ Plug & Play
- ✓ Wireless

COOLER is the standalone solution for temperature and humidity data collection and transmission, without the using of electricity nor WiFi

Main features of MASTER device:

- Double entrance for temperature and humidity measurement
- Warning message available for Temperature/Humidity thresholds excess
- Brings two devices: MASTER and MINION
- Ealloora App or device registration, configuration and alarms management
- Real time and / or asynchronous data collection and transmission
- Certified for operation on the Sigfox network and protected from electromagnetic interferences
- Sensibility: T +/- 0.2°C; U +/- 2%

Communications

- Sigfox network protocol
- Status message: 1 daily with battery status indication
- Encryption: AES128
- Fully customizable firmware and sensor interface

Power supply

- Operating voltage: 3.6 V
- Power supply with two batteries Li-SOCL2 high capacity
- Duration: up to 6 years

Antenna

- Radio module: 868 MHz
- Power: 25 mW (+ 14dBm)
- RF sensitivity: up to -150 dBm

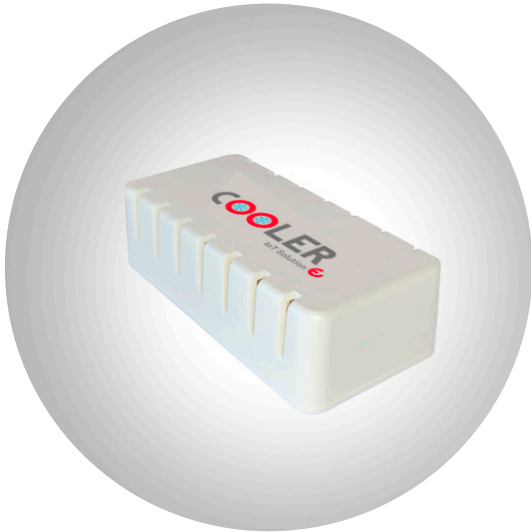
Environmental conditions

- Operating temperature: -30°C/+55°C (adaptated to specific customer requirements)
- Degree of protection: IP 40

Mechanics

- Weight: 106 g
- Dimensions: 80x80x35 mm

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MINION is a paired and connected device to MASTER item in order to assure this standalone solution proper functioning and its correct signal transmission even in the toughest environmental conditions

Main features of MINION device:

- MINION is a paired and connected device to MASTER item in order to assure this standalone solution proper functioning and its correct signal transmission even in the toughest environmental conditions

Communications

- Protocollo di comunicazione BLE
- Sensibilità RF: fino a -85dbm

Environmental conditions

- Operating temperature: -20°C/+55°C
- Degree of protection: IP 30

Power supply

- Operating voltage: 3 V
- Power supply with standard mini-stilo AAA Alcalina battery

Mechanics

- Weight: -
- Dimensions: 80x40x24 mm