

Myfridgeonline



The **Myfridgeonline wireless TIn** has been developed for rapid deployment in medium to large facilities where multiple units across a warehouse or factory are required.

The unit is powered by an internal battery, thus allowing it to be installed anywhere inside the monitored facility. The unit can be configured for measurement of ambient temperature and humidity, pulse counting, -80 freezer monitoring or for the measurement of temperatures inside a cold room, fridge, or freezer.

The unit makes use of the global LORA (Long range wireless) standard and communicates via a gateway that is placed up to 1000m apart. (Distance subject to verification on site). The LORA standard utilises the low frequency radio spectrum, making it well suited to radio propagation inside a building. A large number of TIn units are able to communicate via a single gateway within the effective range of the radio signal.

Features:

- Online Access
- Dashboard
- Graphs
- Alerts (SMS and or Email)
- Detailed Autonomous Reports send to email
- Audit Logs
- User Hierarchy

Suitable for use in:

- Fridge
- Freezer
- Cold-room
- Room
- Incubator
- Server-Rooms...



Technical Specifications TIN (The Ikhaya Node)

General

Model	TIN I/E-T/TH/P
Dimensions	100x100x50
Weight	<0.2kg
Mounting method	Velcro/Two way tape/Hang
Mode of Communication	LORA
Mode of operation	Electronic
ICASA Approval	TA-2018/2266

Environmental Specifications

Operating Temperature	5°C to 60°C
IP Rating	IP 56
Storage Temperature	5°C to 50°C

Electrical Specifications

Input Supply	4,5Vdc, 7,2Ah
Standalone Battery Backup	Active Mode (Transmission): 223mA
Current Consumption @ 12V	Standby Mode: 56uA
Battery Type	Alkaline, Type C, 3S Battery Pack
Battery operating life	1 Year

RF Specifications

Bandwidth Standard	868Mhz
Range	0m to 2000m Line of sight (environment dependant)

Logging

Logging Interval	Default: 10 Minutes Minimum: 10 Minute Maximum: 1440 Minutes (Configurable in 1 minute step duration)
Standard Upload Frequency	Default: 10 Minutes Minimum: 10 Minute Maximum: 1440 Minutes (Configurable in 10 minute step duration)
Memory capability	3 logs internal EPROM

User Interface

Viewing	WEB www.myfridgeonline.com
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Alarms

External	WEB, SMS, Email & Telegram
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Quality

Standard	ISO 9001-2015
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Internal Temperature Humidity Sensor

Digital Probes	1
Sensor Temperature Range	-30°C to +60°C
Sensor Temperature Accuracy	±0.2°C
Sensor Humidity Range	0 to 100%
Sensor Humidity Accuracy	±2%