

MT01 Specification

MT01 | Ultra-Endurance Wireless LoRa Door Sensor

Smart Perimeter Security with Zero-Maintenance
Stability

This product supports:

- 1.Long-Distance LoRa Communication
- 2.IP67
- 3.Low-Power
- 4.Easy Installation
- 5.Configurator



Technical

System	RTOS
Sensor type	Hall sensor & Reed sensor
Application	Vehicle Door Monitoring

Features

Service Life	3 years (≤ 20 Cycles/day)
LoRa Frequency	868MHz/915MHz

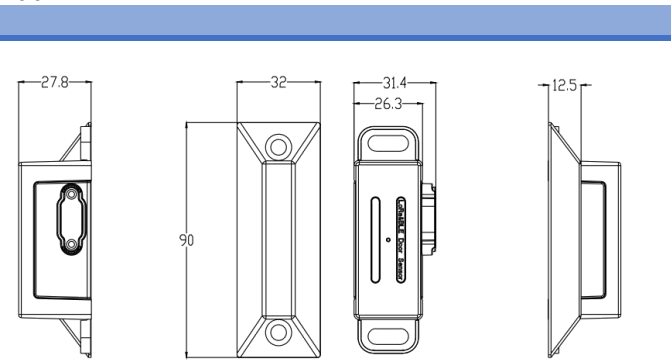
Physical & Interface Specifications

Product Dimensions	Door magnetic sensor: L 86.8* W 31.4* H 7.9mm Magnet block: L 90* W 32* H 12.5mm
Weight	Door magnetic sensor:59g Magnet block:59g
Working Temperature	-20°C to 70°C
Storage Temperature	-40°C to 85°C
Ingress Protection Rating	IP67
Interface	Type-C port
Color	Silver + Black
LED	Red

Power Consumption

Operating Power	DC 3V
Power Consumption	@3V 10uA(Standby Mode)
Battery capacity	1500mAh

Appearance



Regulatory Compliance

Certification	CE,FCC
Product Code	MT01

FUEL-01 Specification

FUEL-01 | The Next-Gen Wireless Fuel Sensor, No Holes. No Complexity. Just Precision.

This product supports:

- 1.LoRa
- 2.IP67
- 3.High Precision
- 4.Easy Installation with No Drilling Needed
- 5.Ultrasonic Fuel Detection
- 6.Configurator



Technical

System	• RTOS
Sensor Type	• Ultrasonic Sensor
Application	• Fuel Level Detection

Features

LoRa Frequency	• 868MHz/915MHz
Detection cycle	• 3s
Upload cycle	• 30s

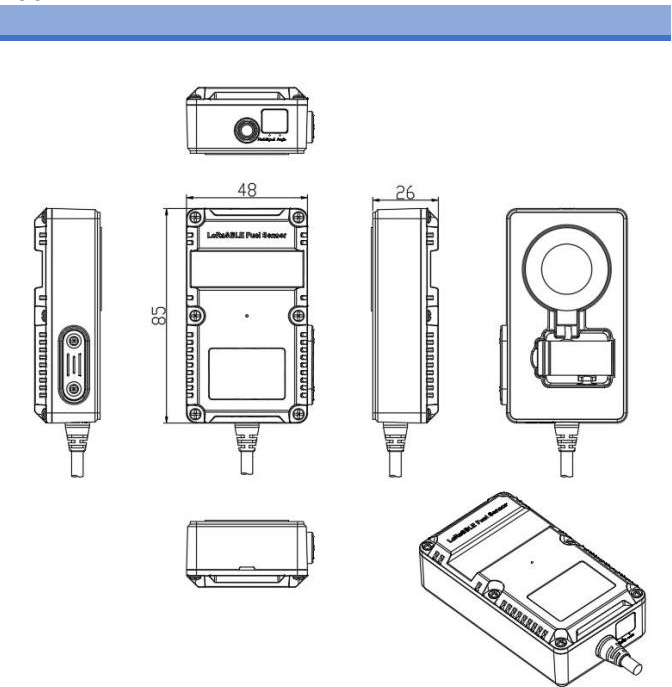
Physical & Interface Specifications

Product Dimensions	• L 85* W 53* H 24mm
Weight	• 200g
Working Temperature	• -25°C to 70°C
Storage Temperature	• -25°C to 80°C
Ingress Protection Rating	• IP67
Interface	• Type-C port
Color	• Black

Power Consumption

Operating Power	• DC 9-36V
Power Consumption	• @12V 43.5mA (Working Mode) • @12V 10.72mA (Standby Mode)

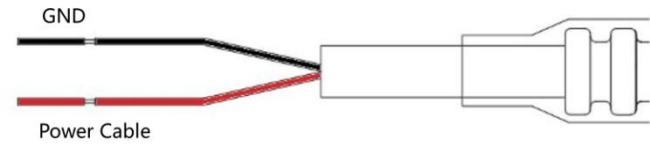
Appearance



Regulatory Compliance

Certification	• CE,FCC
Product Code	• FUEL-01

Connector



RFID-01 Specification

RFID-01 | High-Precision NFC Reader

Efficient, Low-Power Identification for Integrated Systems

Integrated RFID Authentication & AI Safety Monitoring

This product supports:

- 1.NFC
- 2.High Sensitivity
- 3.Low Power
- 4.Supported Card Type:1443A,15693
- 5.Supported Card Programming
- 6.Configurator



Low power:
as low as 5mA

Technical

System	RTOS
Sensor Type	NFC Sensor
Application	Used for identifying the driver's information and Card Programming

Features

Transmission Range	< 5 cm (The swipe distance varies for different types of cards)
Data Upload	RS232
Supported Card Type	1443A 15693
Interaction	- LED - Buzzer

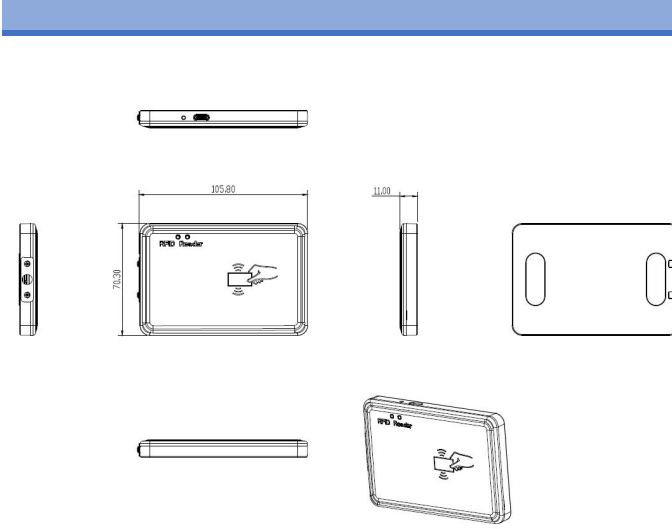
Physical & Interface Specifications

Dimensions	L 104* W 70* H 10mm
Weight	74g
Environmental Tolerance	- Operating temperature:-25°C to 70°C - Storage temperature:-25°C to 80°C
Ingress Protection Rating	IP54
Interface	Type-C port
Color	Black
LED	Red/Green
Buzzer	≥85dB (Sound Output at 10cm)

Power Consumption

Operating Power	DC 5V
Power Consumption	@5V 150mA(Working Mode) @5V 5mA (Standby Mode)

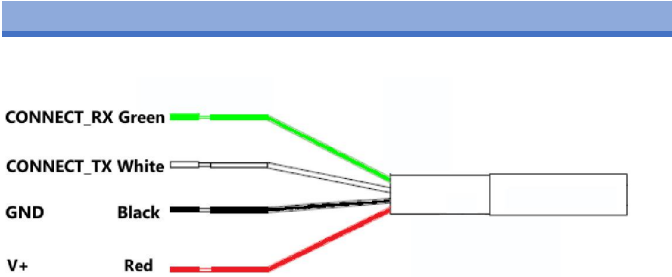
Appearance



Regulatory Compliance

Certification	• CE,FCC
Product Code	• RFID-01

Connector



TEMP-01 Specification

TEMP-01 | Industrial Wireless LoRa Temperature Sensor

Precision Cold Chain Monitoring with Deep-Signal Penetration

This product supports:

- 1.IP67
- 2.Low-Power
- 3.LoRa
- 4.Precise to 0.5°C
- 5.Configurator



Technical

System	RTOS
Sensor Type	Temperature sensor
Application	Temperature measurement

Features

Service Life	5 year (based on 300s interval)
LoRa Frequency	868MHz/915MHz
Detection cycle	60s
Upload cycle	1,440 times per day
Detection Precision	80°C : $\pm 0.5 \sim 1^{\circ}\text{C}$ -20°C : $\pm 1^{\circ}\text{C}$ -30°C : $\pm 1.5^{\circ}\text{C}$ -30°C to -40°C : $\pm 2^{\circ}\text{C}$

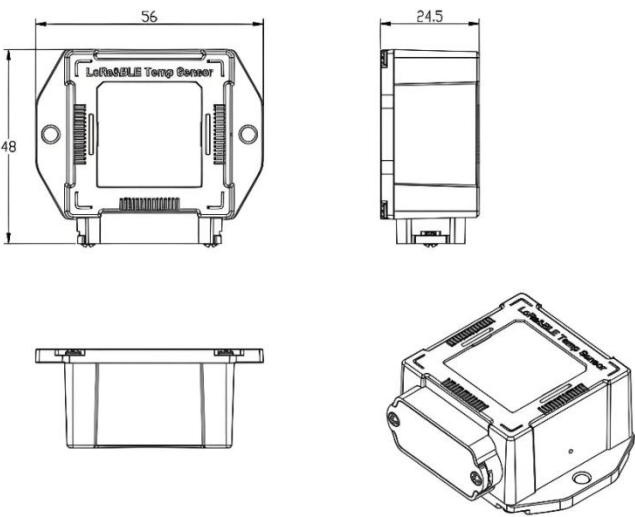
Physical & Interface Specifications

Product Dimensions	L 56* W 48* H 24.5mm
Weight	47g
Working Temperature	-30°C to 70°C
Storage Temperature	-30°C to 80°C
Ingress Protection Rating	IP67
Interface	Type-C port
Color	Black

Power Consumption

Operating Power	1500mAh Li-Mn dry battery
Power Consumption	@3V 22mA(Working Mode) @3V 4uA(Standby Mode)

Appearance



Regulatory Compliance

Certification	• CE,FCC
Product Code	• TEMP-01

UPS-01 Specification

UPS-01 | Professional Vehicle Uninterruptible

Power Supply.

Continuous Power for Uninterrupted Fleet Intelligence.

This product supports:

- 1.Configurable External Discharge Duration
- 2.Switch Status Configurable via Software
- 3.Maximum Discharge Current: 2.5A @ 16V
- 4.Power Failure Alarm



Technical

System	• RTOS
Application	• Emergency electrical power supply

Features

Power Output	• 16V (Without Main Power)
Power Input	• 9-36V
Waterproof	• IP54
Input Protection	• Overload/Short-circuit protection; Over shoot/Under voltage protection
Transfer Time	• ≤5ms
Capacity	• @10.5 V 4000mAh • 38.4Wh • LiFePO₄ Battery
Charging Current	• 800mA

Power Consumption

Power Consumption	• 245uA (Standby mode) • 7mA (Working mode)
Battery Runtime	• @16V 100mA 16h • @16V 500mA 3.2h • @16V 1000mA 1.6h

Physical

Product Dimensions	• L109* W80* H50mm
Weight	• 550g
Connector	• Type-C
Working Temperature	• -20°C to 70°C
Storage Temperature	• -20°C to 70°C
Service Life	• ≥5 years
LED	• Red (Power output) • Green (Charging)
Colour	• Full Black colour

Regulatory Compliance

Certification	• CE, FCC
	• Smart UPS
Product Name	• UPS-01

Appearance

