

Chill Chill

Temperature tracking system through IoT devices and software platforms.

Chill Chill It is a system that will make temperature monitoring easier, more accurate, and more efficient through IoT devices and software platforms. The data is stored on the cloud to be displayed on the web application in real time. and sending notification messages when daily results are summarized or when the temperature changes abnormally via LINE Notify.



Key Features



Ability

There is a software platform that can monitor the operation of the device in real time, such as temperature readings. and relative humidity.



Easy installation and compatibility

The solution has been developed in a plug and play format. allowing easy connection to other devices or sensors, such as in food freezers, medicines, or in rooms. Keep cool in transportation systems.



Easy to use

User manuals and display screens of the platform software have been prepared to be easy to understand and in Thai language.



Strength and durability

The cabinet material is made of steel. Has a cover and roof for dustproof and waterproof protection.



Customization and flexibility

Supports customization or additions according to specific needs such as Add a pH sensor. Add a relative humidity sensor or add a nitrogen sensor.



Data Security

It has an industrial-grade Industrial IoT eSIM (MFF2) chip designed to operate in industrial environments. and can connect to the internet with service provider networks in Thailand It also has an encrypted hardware chip. (CryptoAuthentication) makes data transmission using IoT technology extremely secure and reliable.



Microchip ATECC608A



Micro SD card



USB type C port

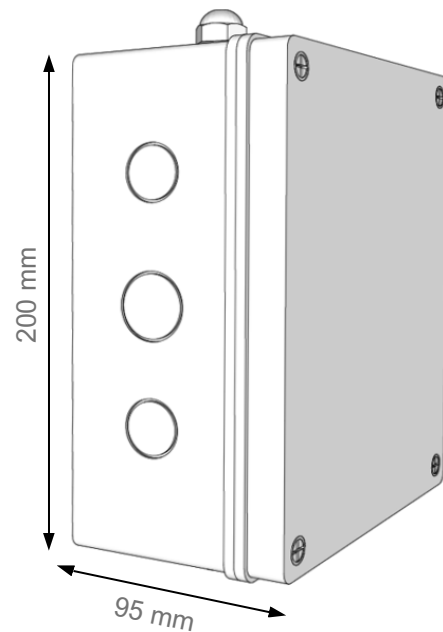
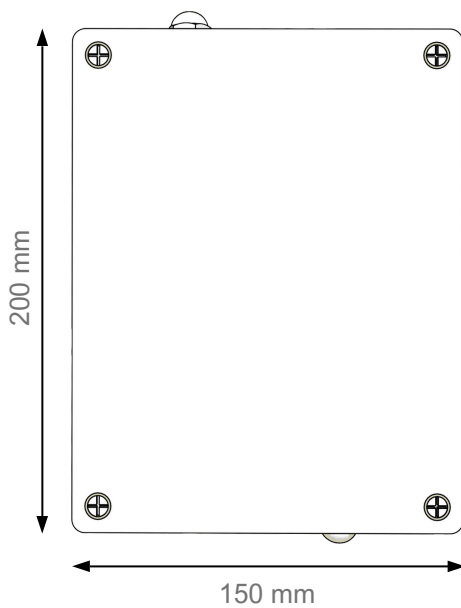
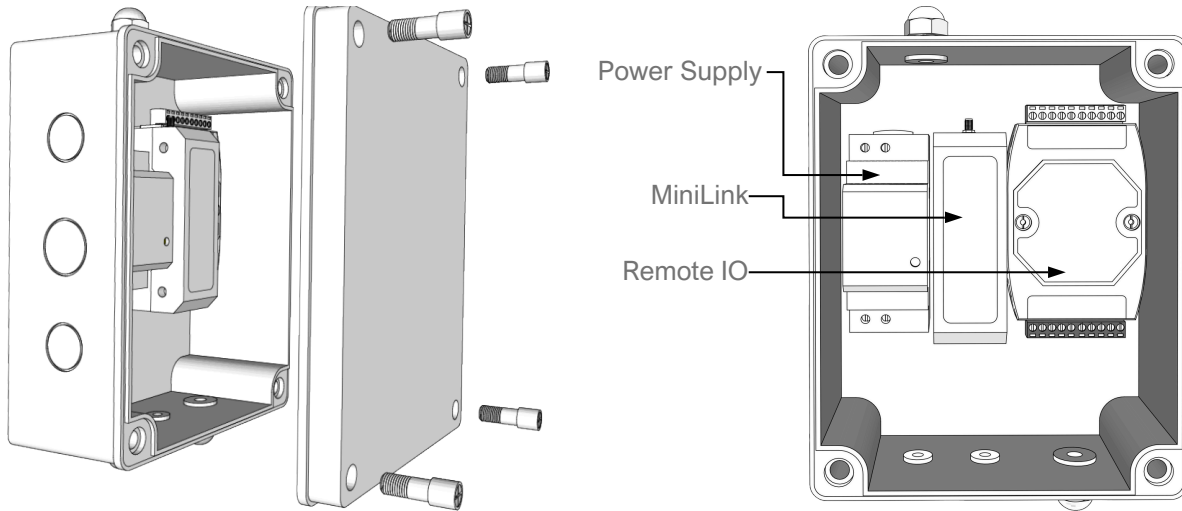


ARM Cortex-M 32-bit



RS485 / RS232

Overview



Temperature Sensor

Suitable for work that measures temperature or humidity, such as measuring the temperature inside refrigerators, freezers, systems for maintaining the quality of raw materials, food, drugs, or chemicals and temperature maintenance systems for transportation refrigeration systems, etc.

Product Description

MCU	ARM Cortex-M 32- bit RISC ARM Processor cores
Interface port	RS485 or RS232 isolation with auto-direction (Software mode selection) RS485 or I2C with auto - direction
Indicator lamp	LED Open LED Run LED Overdue
Power supply	24 V
Display	LCD
USB type C port	Program Upload
IoT control box	Waterproof
Temperature sensor	<p>Specifications</p> <ul style="list-style-type: none"> • Usable with 3.0V - 5.5V power/ data Resolution • $\pm 0.5^{\circ}\text{C}$ Accuracy from -10°C - 85°C Accuracy • Usable temperature range: -55 - 125°C (-67°F to $+257^{\circ}\text{F}$) • 9 to 12 bit selectable resolution • Uses 1-Wire interface- requires only one digital pin for communication • Unique 64 bit ID burned into chip • Multiple sensors can share one pin • Temperature-limit alarm system • Query time is less than 750 ms • 3 wires interface: Red wire - VCC, Black wire - GND, Yellow wire - DATA • Stainless steel tube 6 mm diameter by 35 mm long • Cable diameter: 4 mm • Length: 90 cm
IoT size box	H: 200 x W: 150 x D: 95 mm
Weight	500 g