[Features]

- Can be placed directly in the refrigerator, with its own battery, quick installation and no engineering.
- Optional "temperature ", "temperature and humidity", "CO2 " , "PM2.5" or "TVOC" sensors.
- Bluetooth Mesh, non-traditional star structure.
- The device itself is both a sensor and a communication springboard.
- Built-in battery capacity up to 15000mAh.
- Equipped with a temperature and humidity sensor, under good communication conditions, the battery can be used for more than two years for one charge per minute.
- The point-to-point transmission distance is 20 meters indoors and 50 meters outdoors.
- The communication signal can cross the compartment floor or even the building in the indoor space.
- Up to 10 springboards can be jumped on the communication transmission.
- Can transmit value/power/return rate.
- Can read the response status of all sensors, and then understand the communication status of the field.
- With TAF certification.

[Applications] Medical refrigerators, greenhouses, indoor air products, cold chain

[Optional code]

SKYNET – Code 1 – Code2 – Code 3

Code 1	Function	Code 2	Sensor	Code 3	Power
S	Sensing end	T	Temp	B	15,000mAh Lithium battery
		TR	Temp/ humidity		
		CO2	CO2	5	5V Type C Power supply
		P2	PM2.5		
		V	TVOC(Semiconductor)		

※If you need Client or Repeater, please refer to OBT catalog.

[Optional purchase]

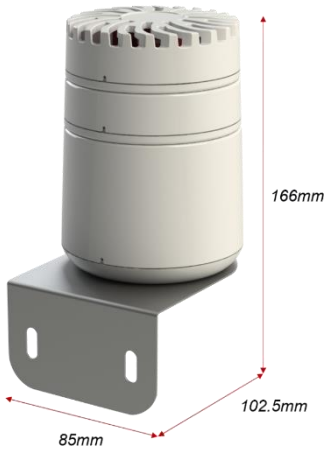
Model	Item	Specifications
BAT-37-15	Skynet lithium battery pack	DC 3.7V 15000mAh
CH37	3.7V lithium battery charger	Input:AC100~240V Output:DC4.2V 2A

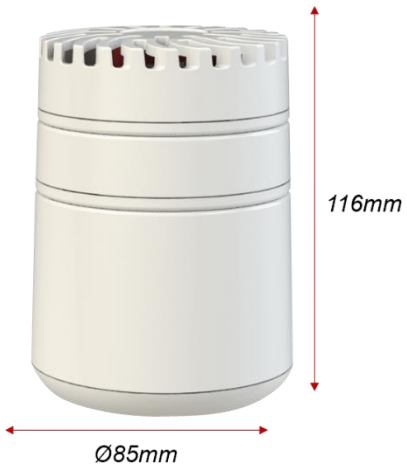
[Specifications]

Power	Type C 5VDC or 4.2V Lithium battery	Power Consumption	62mW
Communication	Bluetooth BT Mesh		
Signal input	RS-485 or optional Temp and RH sensors / CO2 / PM2.5		
Dimension	Ø85x116(mm)		
Weight	<550g		
Patent	M594326		

SKYNET Specifications						
Sensors Principle	Range	T90	Operating temperature	Resolution	Accuracy	Environmental equilibrium time (Change location)
Temp (Resistive)	(-)25~(+)85°C	<120 Sec	(-)25~(+)85°C	~0.1°C	±0.4°C	< 40min
RH (Capacitive)	0% ~ 100%	<120 Sec	(-)25~(+)60°C	~0.1%	±3%	< 40min
CO_2 (Infrared)	0~10,000ppm	<120 S	0~50℃	1ppm	±30ppm ±3% of Reading	10sec
PM2.5 (Laser)	0~1,000μg / m^3	<90 S	-10℃~65℃	0.1 μg/ m^3	±10μg/ m^3 ±5% of Reading	5min
TVOC (Semiconductor)	0~60ppm	<90 S	0℃~40℃	Range: ≦2.008 ppm / ≦11.11 ppm / ≦60 ppm — Resolution: 1 ppb / 6 ppb / 32 ppb	±10%	5min

[Dimension] mm





[Application Architecture]