

### [Features]

- 1-second installation, plug-and-play, easy DIY setup..
- Accurate measurements with TAF certification.
- Color LCD display for temperature/humidity / battery level.
- Data logging function with over 10 years of storage capability.
- Mobile management: SMS alerts for abnormalities and power outages.
- SIM card: Web page automatically detects installation status, searches for network, and displays signal strength.
- Customizable alarm threshold values.
- Supports 20 sets of phone numbers for two-tier management
- 100% Made in Taiwan.
- Sensor battery capacity of up to 15000mAh.
- With good communication, the battery can last for over two years with one-minute interval sensing.



It can directly take down the USB flash drive to read historical data.

[Applications] Vaccines refrigerator · Medical refrigerator · Blood Bank · Cold chain · Temperature warning.

### [Application architecture]



Alarm value can be set



Mobile phone number can be set



Alarm call/message notification

## [Specifications]

Temperature Control host		
Power	Adapter	◆ AC input:100 ~ 240V(50/60Hz) ◆DC output:12V maximum 2A current
	Equipment	◆ DC input:12 ~ 36V ◆Power consumption:6.2W
Environment	Operating temp	-20~70°C / 0 ~ 95%RH non-condensing (WiFi 0~70°C)
	Storage temp	-30~70
Communication	Ethernet interface	RJ-45 Ethernet with Web Service · Modbus TCP
	Communication interface	RS-485 *1
	Communications Protocol	Modbus RTU, MQTT
	Wireless communication	4G / WIFI / Bluetooth
Display panel	0.96 inch,TFT-LCD	
Physical conditions	Dimension ( m m )	252 x 175 x 60 (W× H× D)
	Weight	<0.7kg
Housing	Material	PC + Anti-UV
Ingress Protection Rating	IP66	
Record	USB flash drive record maximum to 64GB	
Certificate	CE, FCC	
Patent	R.O.C. Patent No. M429156 / M474956/M594326 China Patent No. 2514208 /3968342	

Sensor Specifications	
Power	Type C 5VDC or 4.2V lithium battery
Communication	Bluetooth BT Mesh
Signal input	RS-485 or optional temperature and humidity sensor
Dimension	Ø85x116(mm)
Weight	600g
Patent	No.M594326

SKYNET Specifications						
Sensor Principle	Range	T90	Operating temp	Resolution	Accuracy	Environmental equilibrium time (change location)
Temp (Resistive)	(-)25~(+)85°C	<120Sec	(-)25~(+)85°C	~0.1°C	±0.4°C	< 40min
RH (Capacitive)	0% ~ 100%	<120 Sec	(-)25~(+)60°C	~0.1%	±3%	< 40min