



Net Remote monitoring system

Using wifi to set up the unified management platform and synchronize between location and remote. For Industrial process and environmental monitoring application



Remote Monitor

It can monitor the machine and the information of environmental testing



Integrate the data of sensor.

It can sent the measurement data to monitoring PC, the user can monitor the integrate measurement data through the software promptly.



High performance controllers

Multi Digital Controller / Heating / Cooling / Frozen /



WiFi

Architecture

Monitoring Tool

Analyze and report in real time using integrated visualization tools.



WiFi

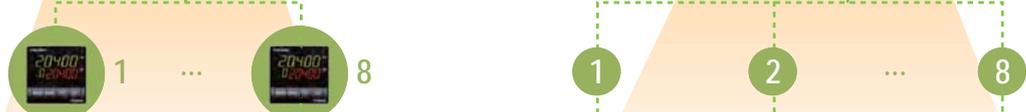
Wi Net

Modbus RTU RS485 Communication



Control System

Analog Signal
RTD, Thermocouple



Sensors Type

Temperatrue,
Humidity,
Pressure, Gas,
Flow, Level, Air...etc.





▶ Electric Specification

Current Consumption	340~820mA during wireless RX/TX and Ethernet activated
Power Supply	+12V to +24V DC
Working Temperature	-10 to +70°C
WiNet Dimension	108(L) x 96(W) x 41(H) mm

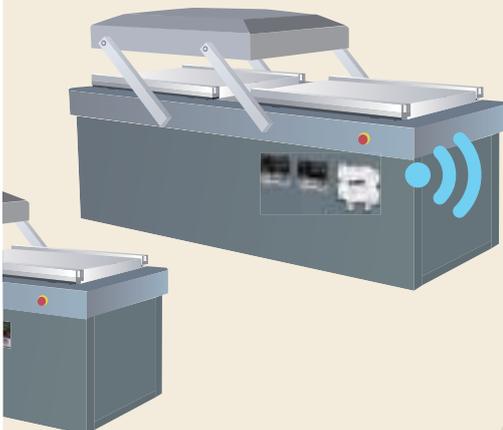
▶ Wifi Specification

WSN topological	Peer-to-peer/ Star
RF Characteristics	IEEE 802.11 b/g/n 2.4GHz 1T1R
Bandwidth	20/40MHz
Communication Time	500ms
Maximum Radio Range	Any areas with wifi

▶ ModBus

Max Equipment number	8
Device	Slave
Protocol	RTU
Baudrate	9600 to 115200 bauds
Parity bit	None
Data bit	8 bits
Stop bit	1

Applications



Application



User can use APP and PC software to check the data value promptly

Hatching machine

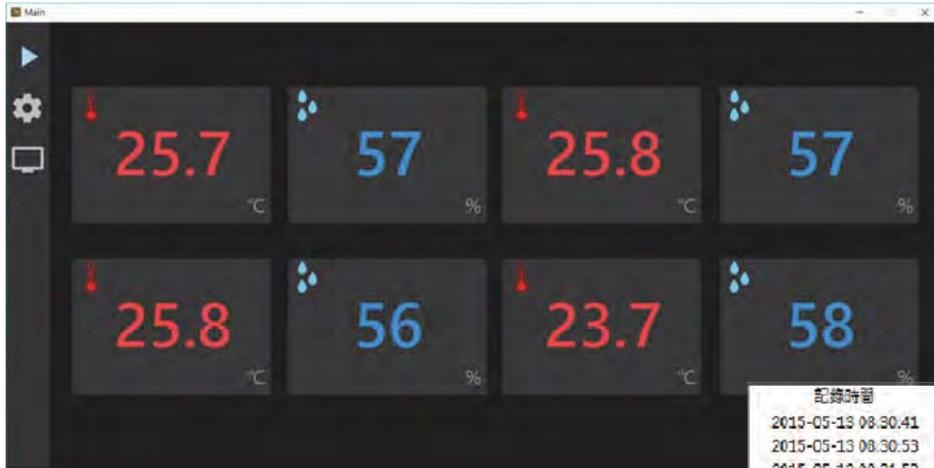
Manufacturing industries

Boiler / baking / drying industry



▶ User Interface

- ① APP: Instant data, Configuration
- ② PC software: instant data. Option—data logging, excel file download, Curve drawing

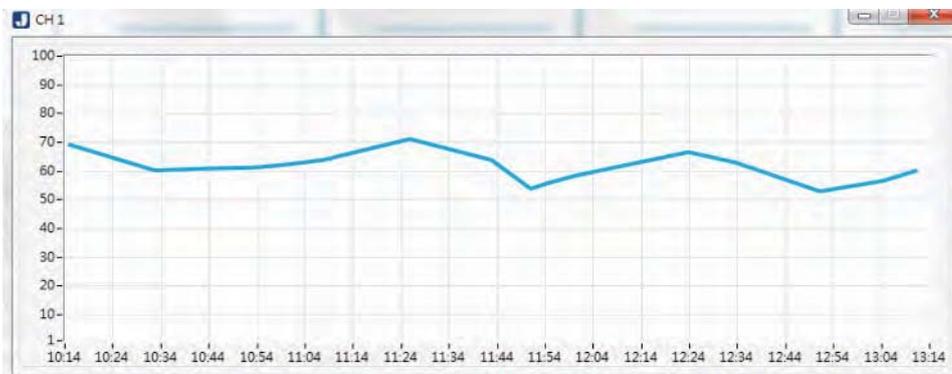


PC software

data logging / export

記錄時間	CH01	CH02	CH03	CH04	CH05	CH06
2015-05-13 08:30:41	45.6	45.8	45.0	47.2	48.1	44.1
2015-05-13 08:30:53	49.8	49.2	49.7	48.7	50.5	47.4
2015-05-13 08:31:53	46.4	45.5	46.4	45.1	47.4	44.8
2015-05-13 08:32:53	47.0	45.0	44.9	44.6	46.6	44.4
2015-05-13 08:33:53	48.8	48.3	46.5	46.2	43.4	47.0
2015-05-13 08:34:53	50.0	51.9	51.2	48.2	51.2	48.7
2015-05-13 08:35:53	48.2	47.7	45.0	45.8	44.7	47.4
2015-05-13 08:36:53	44.3	45.4	43.8	46.9	44.4	45.0
2015-05-13 08:37:53	45.8	49.6	49.0	49.1	48.3	48.4
2015-05-13 08:38:53	45.3	47.3	46.1	45.0	47.2	47.2
2015-05-13 08:39:53	46.8	44.5	47.8	44.0	47.1	47.8
2015-05-13 08:40:53	48.9	47.6	46.8	49.5	49.1	50.2
2015-05-13 08:41:53	44.3	46.9	44.6	43.9	47.0	46.3
2015-05-13 08:42:53	48.4	47.3	49.6	48.2	50.3	50.1

up to 32 devices can be displayed



Curve drawing

drawing the curve for every channel, mastering the change of data

APP monitor

For Android system, up to 15 devices could be displayed

