

WiNet Remote Monitoring System WiFi

Wifi-based Remote Monitoring System



Real-time Monitor And Data Logging Remotely

Access to process measurement as thermocouple, pressure, humidity or other sensors without needing anyone on-site.

Remote Monitoring Software

Integrate all sensors and transmit process measurement to real-time data display remotely.

Advanced process controller (Option)

- Multiple inputs, Upgraded Self-Tuning PID
- PID Over-Shoot Protection / Ramp Function / Sampling time 250mS
- UL, cUL, CE & IP66 approved

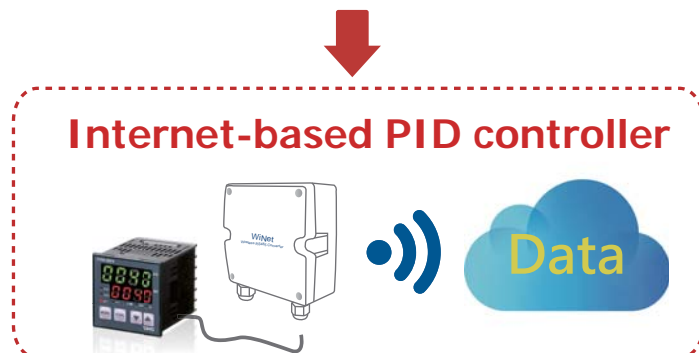
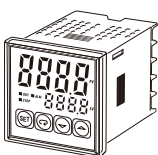
DropBox

Support free DROPBOX to monitor and store collected data any time, any where , wherever you have internet access

► Advantage to use WiNet

| | |
|------------------------|--|
| On-site checking | Real-time transmit process measure or environment parameter to remote desktop or DROPBOX. Achieve remote monitoring and management |
| Manual meter reading | Maximum 8 sensors and controllers can be connected to one WiNet |
| Non-real time feedback | Abnormal event detection in real time |


Old way



Flexibility for different hardware, can provide greater visibility into operations

▶ Remote Monitoring solution

Monitoring Tool
Analyze and report in real time using integrated visualization tools.



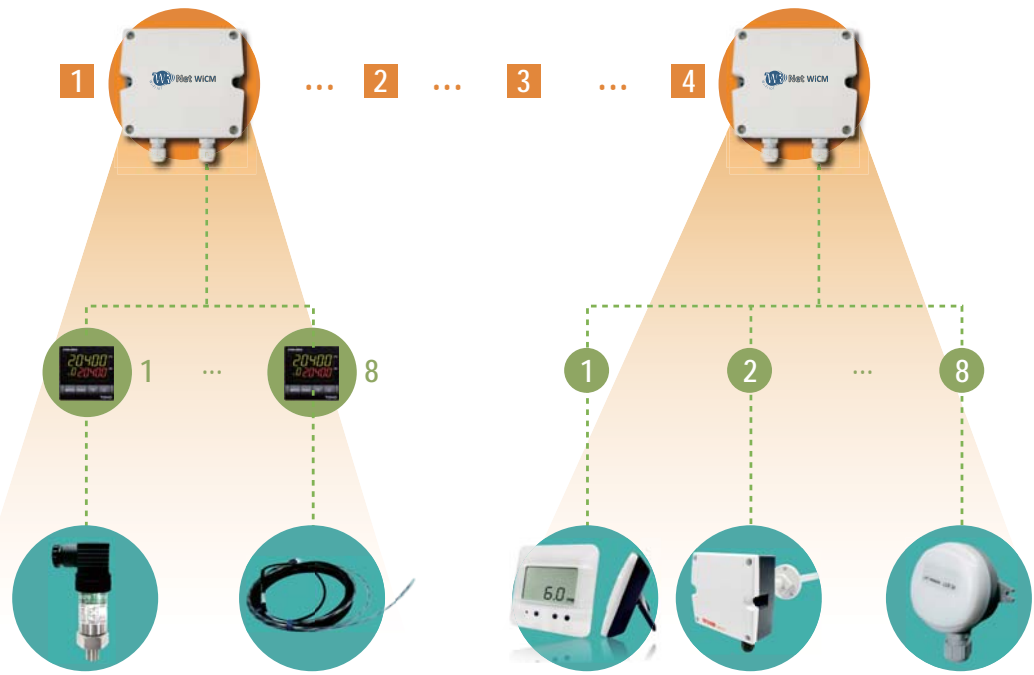
Modbus RTU RS485 Communication

Control System

Analog Signal
RTD, Thermocouple

Sensors Type

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

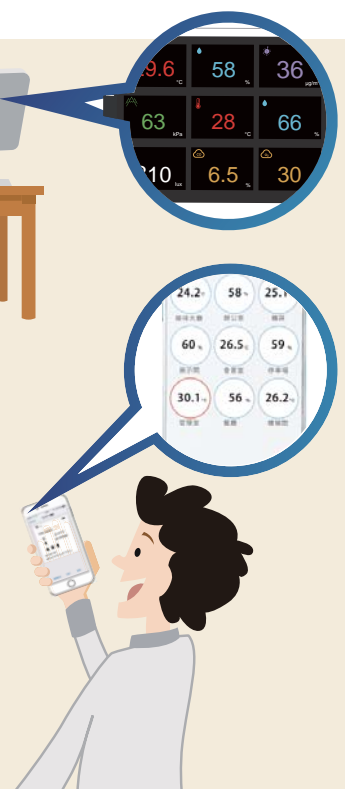
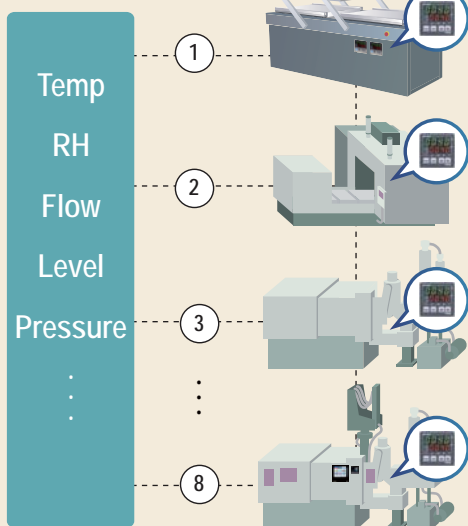


The Applications

Hatching machine

Manufacturing industries

Boiler / baking / drying industry



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

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 |

Communication

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

Monitoring Interface

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

