

BZ- IOT-SMART THM

INTEGRATED SMART THM NODE



Key Highlights

- Measuring Temperature Range: $-40^{\circ}\text{C} \sim 80^{\circ}\text{C}$
Resolution: 0.1°C ; Accuracy: $\pm 0.2^{\circ}\text{C}$
- Working temperature range: $-20^{\circ}\text{C} \sim 80^{\circ}\text{C}$
- Measuring humidity range: $0\% \sim 100\%$ (RH) Relative Humidity; Resolution: $0.1\% \text{RH}$; Accuracy: $\pm 2\% \text{RH}$ at surrounding temperature below 25°C
- Working humidity range: $0\% \sim 100\%$ (RH) Relative Humidity
- Support data formats: serial MODBUS protocol
Simple ASCII character instruction: "READ", "AUTO", "STOP"
- The module ID can be configured, Range: 1~247

Product Description

BZ-IOT-TEMP Temperature and Humidity data acquisition module is a high performance device with optional RS485 / RS232 / TTL different level output and MODBUS industrial control bus protocol. It allows multiple modules to be connected to the bus network and build network in accordance with the MODBUS protocol, To monitor Factory site environment changes, users can accurately grasp the changes of different applied field and act quickly to guarantee the stability of the Factory site environment.

BZ-IOT THM also comes integrated with the BZ-IOT Smart Connect Module (SCM) to instantly connect to the local gateway series or cloud.

PRODUCT	BRIEF DESCRIPTION
BZ-IOT-THM-INT	Integrated SMART IOT THM with built in SCM Module





BZ-IOT-SMART THM

Product Specifications

Configuration

Part Numbers and Variants BZ-IOT-SMART THM

Interface

Data Reserved
VCC VDD,5V, DC
GND GND,signal ground
RXD/A:T: TTL RXD signal line, -2: RS232 RXD signal line, -4: Rs485 A end signal line
TXD/B:-T: TTLRXDsignal line, -2:RS232 RXDsignal line, -4:RS485 B end signal line

Electrical & Physical Specification

Power Input 5V DC

Environment Specification

Measuring Temperature Range -40°C ~ 80°C
Resolution 0.1°C
Accuracy ±0.2°C
Working Temperature Range -20°C ~ 80°C
Measuring Humidity Range 0% ~ 100%(RH)RelativeHumidity
Resolution 0.1%(RH)
Accuracy ±2%(RH) at surrounding temperature below 25°C
Working Humidity Range 0% ~ 100%(RH) Relative Humidity
range 1 ~ 247

Characteristic

Data Transmission based on MODBUS Industrial control protocol
Reliable Performance
Good Compatability
Easily Installed moisture-proof handling
Suitable for damp environment as green house

Serial port configuration

Baud Rate 1200/4800/9600/19200/38400/57600
Data bits 8
Parity No/Odd/Even
Stop bit ½ interrupt the power and restart,the configuration takes effect
Configuration Commands.

Outline Dimension

Length 65mm
Width 46mm
Heigth 28.3mm

