STH-M02ZB
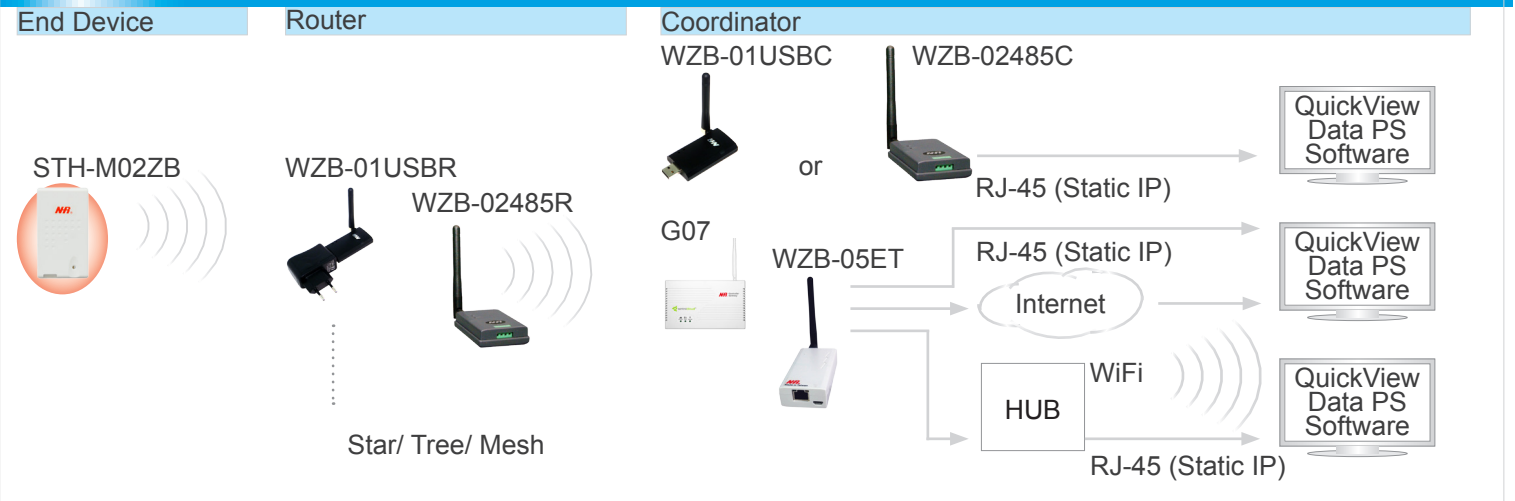# ZigBee Wireless Temperature and Humidity Sensor

Features & Benefits

- Wireless data transfer via ZigBee
- Powered by DC 5V Micro USB Adapter
- Supports QuickView data software for real time monitoring, data export saving and editing
- Uses Star, Tree, and Mesh network topologies
- HA Profile Compliant

ZigBee® Control your world

CE FC

The STH-M02ZB Temperature and Humidity Sensor is from the ZigBee Wireless family and can be installed into the ZigBee System network. The STH-M02ZB measures the air temperature and the relative humidity in the location and transmits data wirelessly to a PC or Laptop. The data can be viewed on software called QuickView, where the user can monitor and analyze data. The versatility of the STH-M02ZB ZigBee Wireless Temperature and Humidity sensor reduces overhead, thus lowering R&D costs and reducing development schedules. The STH-M02ZB is suitable for homes, office buildings, schools, libraries, warehouses, museums, greenhouses, and etc.

Specifications

Sensor Type	Built-in temperature and humidity sensor		Power Consumption	150mW
Sensing Range	-40 to +125ºC		Measurement Acc	Temperature +/-0.5ºC (-15 to +80ºC) Humidity +/-4% (5% to 95% RH)
Wireless Protocol	IEEE 802.15.4 ZigBee		Network Topology	Star/ Tree/ Mesh
Transmission Range	100 meters (line of sight)		Data Protocol	Modbus RTU
RF Output Power	0 dBm		Addressing	DIP Switch
Receiver Sensitivity	-92 dBm		Transmit Interval	1 to 1000 minutes at intervals of 1 minute
Power Supply	USB 5V (mini USB connector)		Dimensions	85 (L) mm x 47(W) mm x 10 (H) mm
Operating Environment	-10 to 50ºC, 0 to 95% RH		Certifications	CE/ FCC

Application Solutions

End Device: STH-M02ZB

Router: WZB-01USBR, WZB-02485R — Star/ Tree/ Mesh

Coordinator: WZB-01USBC or WZB-02485C — RJ-45 (Static IP) → QuickView Data PS Software

G07, WZB-05ET — RJ-45 (Static IP) → QuickView Data PS Software; Internet → QuickView Data PS Software; HUB WiFi → QuickView Data PS Software; RJ-45 (Static IP)

Ordering Code & Accessories

Solution	Ordering Code	Description	Solution	Ordering Code	Description
End Device	STH-M02ZB	ZigBee Temp. and Humidity Sensor	Coordinator	WZB-01USBC	ZigBee Wireless Coordinator
Router	WZB-02485R	ZigBee Wireless Router	Coordinator	WZB-02485C	ZigBee Wireless Coordinator
Router	WZB-01USBR	ZigBee Wireless Router	Coordinator	WZB-05ET	ZigBee Ethernet (Coordinator)
Coordinator	WZB-05ET	ZigBee Ethernet (Coordinator)	Coordinator	G07	ZigBee Multi-Gateway (Coordinator)

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