WZB-01USBC / WZB-01USBR
ZigBee Wireless USB Dongle (Coordinator) / Router
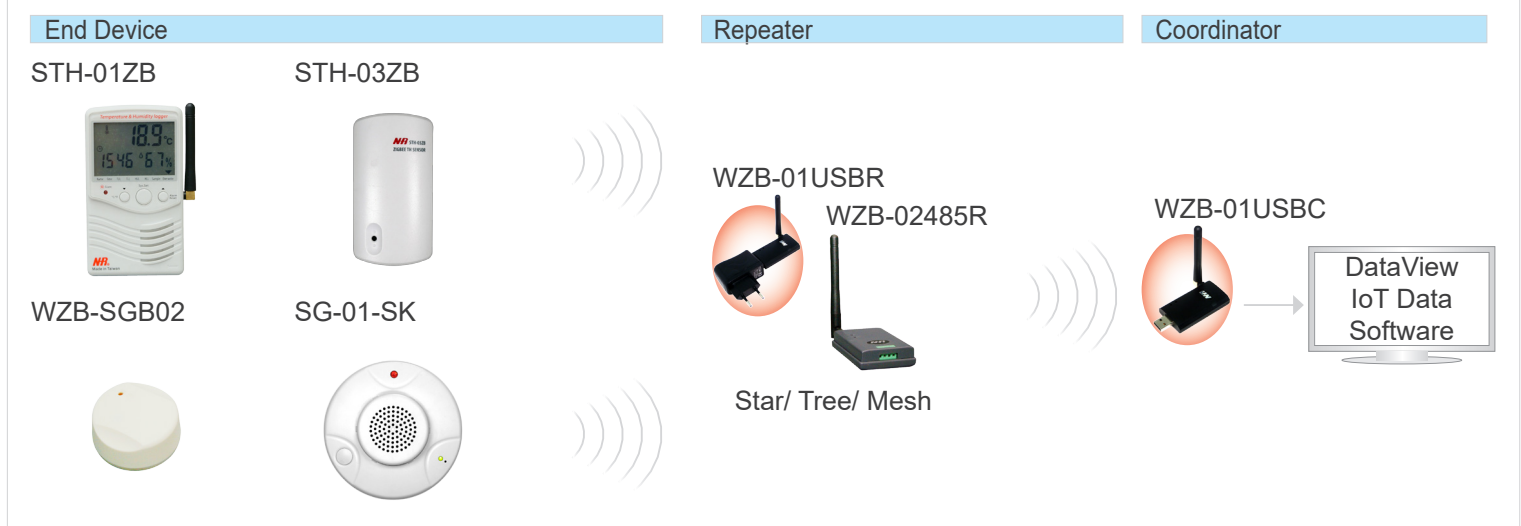

CE FC

Features & Benefits

- Designed specifically for connecting with PC/Laptop via USB connector for monitoring and analyzing data via PC software
- ZigBee Home Automation Profile compliant means the device is compatible with other ZigBee HA certified receivers that adds the flexibility for user to choose from.
- Omnidirectional external antenna allows the user to easily install in almost any angle without compromising signal strengths.
- Supports ZigBee wireless Star/Tree/Mesh topologies that can satisfy various application cases.
- Effectively bridges PC monitoring software (such as DataView) and IoT sensors for device control and data monitoring/analysis.

The Wireless Zigbee USB Dongle (Coordinator) from Nietzsche can be quickly and easily connected to a host computer, providing a simple method of integrating ZigBee into computers, gateways and /or bridge devices. With Zigbee Home Automation protocol compliance, the dongle can be highly compatible with other ZigBee Certified products. With its external antenna design, the omnidirectional broadcast capability allows users to easily install the dongle in almost any angle without compromising signal strength. The dongle supports Zigbee wireless topologies – Star, Tree and Mesh – that can satisfy various application cases. Nietzsche Enterprise wireless ZigBee dongle is the best choice to start your own Zigbee wireless network.

Specifications

Transmitting Protocol	UART: Modbus RTU / ZigBee: HA profile		Network Topology	Star/ Tree/ Mesh
Wireless Protocol	IEEE 802.15.4, ZigBee2007/PRO		Power Supply	5V DC
Transmission Range	Up to 300m / 984ft		Operating Environment	-20 ~ +80°C, 90% RH.
Operating Frequency	2.4GHz ISM Band		Dimensions	80(L) x 43(W) x 11(H) mm / 3.15(L) x 1.69(W) x 0.43 inches
RF Output Power	16dBm			
Receive Sensitivity	-92dBm		Weight	25g / 0.9 oz
Power Consumption	0.3W		OS Support (WZB-01USBC)	Windows 95/ 98/ NT/ 2000/ XP/ Vista/ Win7 / 8 / 10
Transmit Interval	150ms		Certifications	CE/ FCC

Application Solutions

End Device	Repeater	Coordinator

STH-01ZB   STH-03ZB

WZB-SGB02   SG-01-SK

WZB-01USBR
WZB-02485R

Star/ Tree/ Mesh

WZB-01USBC

DataView
IoT Data
Software

Ordering Code & Accessories

Solution	Ordering Code	Description	Solution	Ordering Code	Description
Coordinator	WZB-01USBC	ZigBee Wireless USB Dongle	End Device	STH-01ZB	ZigBee Temp. & Hum. Data Logger
Repeater	WZB-01USBR	ZigBee Wireless Repeater (USB-powered)	End Device	STH-03ZB	ZigBee Wireless Temp. & Hum. Sensor
			End Device	WZB-SGB02	ZigBee Wireless Glass Break Detector
Repeater	WZB-02485R	ZigBee Wireless Repeater	End Device	SG-01-SK	ZigBee Wireless Smoke Detector