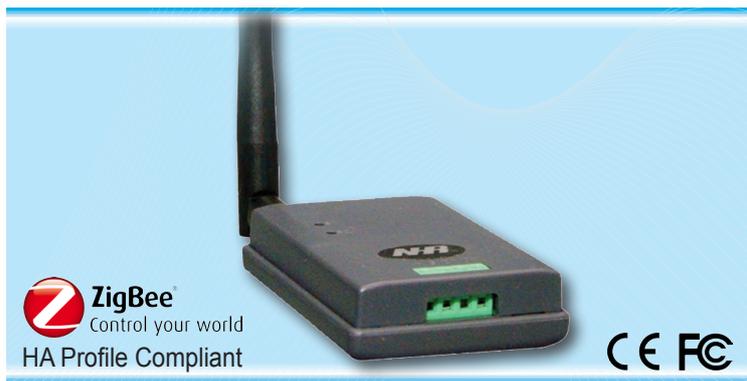


# WZB-02485R/ WZB-02485C ZigBee Wireless Router/ Dongle



## Features & Benefits

- Designed specifically for connecting with Controller(PLC) via Modbus RTU protocol and RS485 interface.
- DC 6~24V wide operating range and terminal block connector make this unit exactly applicable in electric panel in industrial control application.
- Bendable external antenna, with it non-directional broadcast capability, user can easily install in almost any angel without compromising signal strengths.
- This unit can receive Modbus RTU and DIO signal that can cover very wide range of sensor selection for user.
- 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.

This terminal style ZigBee wireless receiver is designed specifically for Controller(PLC), it collects all the wireless data and communicate with Controller(PLC) via Standard Modbus RTU protocol and RS485 interface. This unit can receive both Standard Modbus RTU data and DIO signal that cover very wide of sensor selections. So far, the unit has been proven effectively in the field of paperless logger, temperature and humidity sensor, wireless security detector and agriculture sensors.

## Specifications

Transmitting Protocol	UART: Modbus RTU / ZigBee: HA profile	Transmit Interval	150 ms
Addressing	DIP Switch	Network Topology	Star/ Tree/ Mesh
Wireless Protocol	IEEE 802.15.4 ZigBee2007/PRO	Power Supply	DC6~24V
Transmission Range	500 meters / 1640 feet (free space)	Operating Environment	-20 ~ +80°C/ -4 ~ +176°F, 0~95% RH
Operating Frequency	2.4GHz ISM Band	Dimensions	62(L) x 42(W) x 15(H) mm
RF Output Power	18dBm	Weight	31g / 1.1oz
Receiver Sensitivity	-92dBm	Operating System	Windows 95/ 98/ NT/ 2000/ XP/ Vista/ Win7/ 8
Power Consumption	0.3W	Certifications	CE/ FCC

## Application Solutions



## Ordering Code & Accessories

Solution	Ordering Code	Description	Solution	Ordering Code	Description
End Device	STH-01ZB	ZigBee Wireless T/H data logger	Router	WZB-01USBR	ZigBee Wireless router
End Device	STH-M02ZB	ZigBee Wireless T/H sensor	Router	WZB-02485R	ZigBee Wireless router (Modbus only)
End Device	WZB-SSM703	ZigBee Wireless smoke detector	Router	WZB-02485DR	ZigBee Wireless router (DIO only)
End Device	WZB-SGB02	ZigBee Wireless glass break sensor	Coordinator	WZB-02485C	RS485 coordinator
End Device	WZB-SPM02	ZigBee Wireless intrusion detector			
End Device	WZB-SMG02	ZigBee Wireless Magnetic switch			



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