

# WZB-05ET ZigBee Ethernet Converter



## Features & Benefits

- Easy to install for rapid deployment (no additional wiring necessary).
- Easy to add additional devices.
- Easy to construct Wireless ZigBee security network.
- Auto-repair & auto reconnection for connection stability & integrity.
- Suitable for nimble Wireless application.
- Cost-effective for connecting multiple devices.

The WZB-05ET of ZigBee Wireless transceiver to Ethernet converters use the new generation of TI CC2530 SoC and provide simple connection for serial-to-Ethernet communications. Their Plug and Play design make them easy to install and use to form Wireless ZigBee networks. The auto-repair and auto reconnection features allow for easy addition and removal of any nodes as well as continuing stability and integrity of connections. Simply add WZB-05ET module to legacy serial set-ups to provide instant networking capability.

## Specifications - Wireless

Wireless Protocol	Compliant IEEE 802.15.4, ZigBee2007/PRO
Chip Set	TI ZigBee SoC CC2530F256, 256K Flash
Operating Frequency	2.4GHz ISM Band
Channel	16CH
Transmission Range	500m (line of sight)
Transmission Data Rate	250kbps Max.
RF Output Power	18dBm
Receive Sensitivity	-92dBm
Power Supply	6 ~ 24V DC
Operating Environment	-10 ~ +60°C, 90% RH.
Power Consumption	0.8W

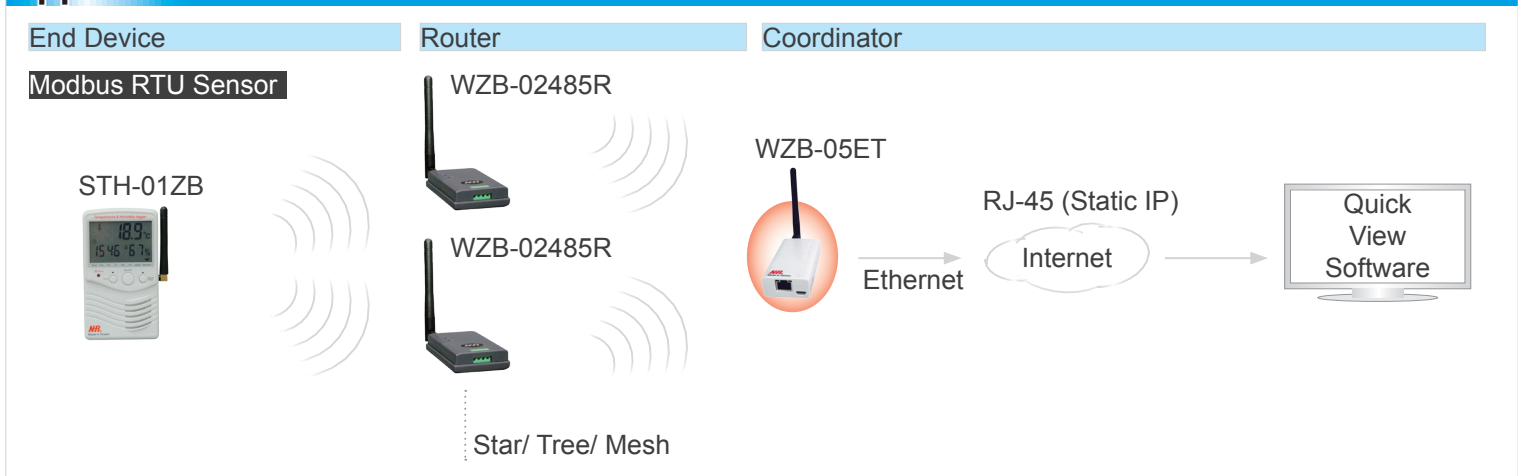
ESD Protection	±4KV contact
Antenna	2dBi Omni SMA Antenna
Network Topology	Star/ Tree/ Mesh
Auto Reconnection	Automatically repair and reconnect
Transmission Protocol	Modbus RTU or DIO
Baud Rate	9600/19200/38400/57600/11520 bps selectable
Dimensions	62(L) x 42(W) x 15(H) mm
Weight	52g
OS Support	Windows 95/ 98/ NT/ 2000/ XP/ Vista/ Win7
Certifications	CE/ FCC

## Specifications - Ethernet

Network Protocol	ARP, IP, ICMP, UDP, TCP, HTTP, DHCP, Telnet 10/100Mbps/sec
Data Rate	Auto MDI/MDIX detection Traffic and link indicator Auto polarize verification

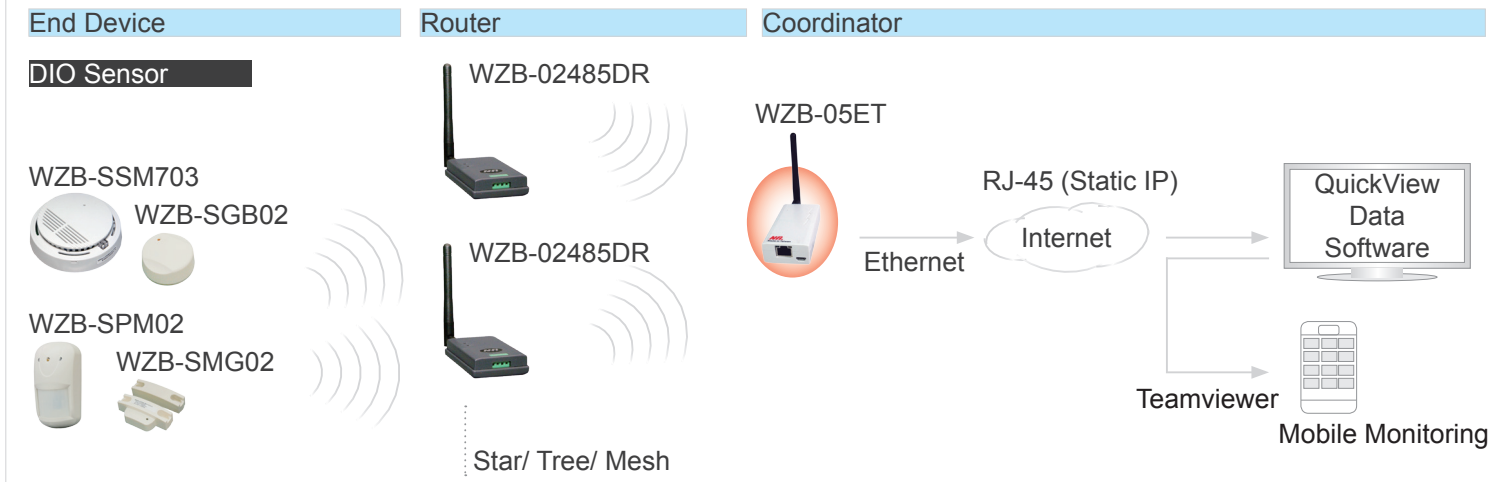
Serial Port	Port 0 & Port 1 two sets CMOS/TTL, flow control PORT 1 rate of up to 1.5Mbps/sec
Parameters Setting	Via Web server
Network Configuration	Static IP or DHCP

## Application Solutions - 1

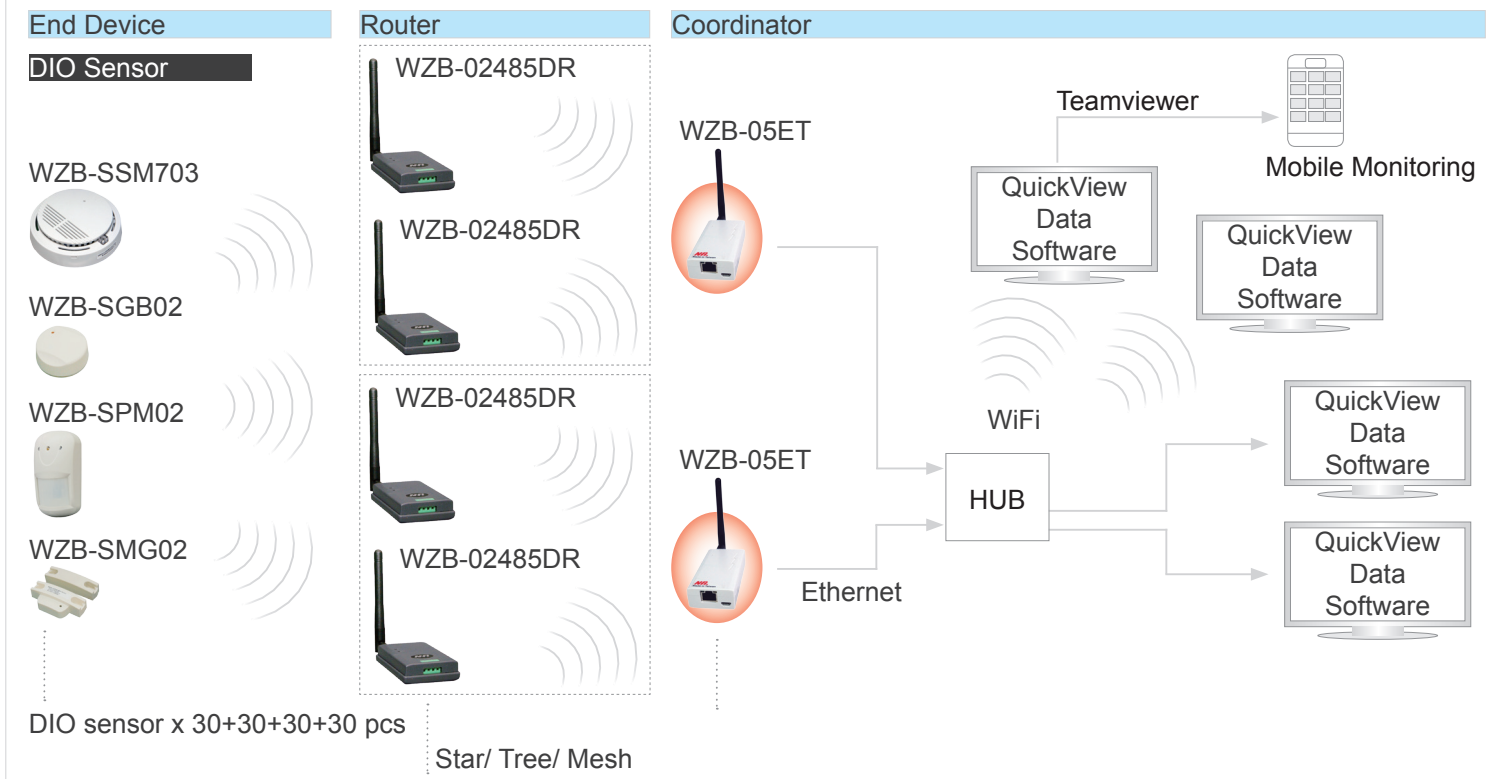


# WZB-05ET ZigBee Ethernet Converter

## Application Solutions - 2



## Application Solutions - 3



## Ordering Code & Accessories

Solution	Ordering Code	Description	Solution	Ordering Code	Description
End Device	STH-01ZB	ZigBee Wireless T/H data logger	Router	WZB-02485R	ZigBee Wireless router
End Device	WZB-SSM703	ZigBee Wireless smoke detector	Router	WZB-02485DR	ZigBee Wireless router
End Device	WZB-SGB02	ZigBee Wireless glass break sensor	Coordinator	WZB-05ET	ZigBee ethernet converter
End Device	WZB-SPM02	ZigBee Wireless intrusion detector			
End Device	WZB-SMG02	ZigBee Wireless Magnetic switch			

