



Features & Benefits

- Supports Nietzsche Enterprise's Sentral Cloud interface: Anytime-Anywhere data view and output control
- Complete Solution : Set and control the parameters, optimum zones and buffer zones on up to 40 sensors and 10 relay devices
- ZigBee Standard Home Automation Profile (HA)
- Zero Data Loss : 1GByte data logger, back-up battery (Optional) : Auto-repair and auto-reconnect
- Supports all ZigBee Wireless topologies (Star/Tree/Mesh)

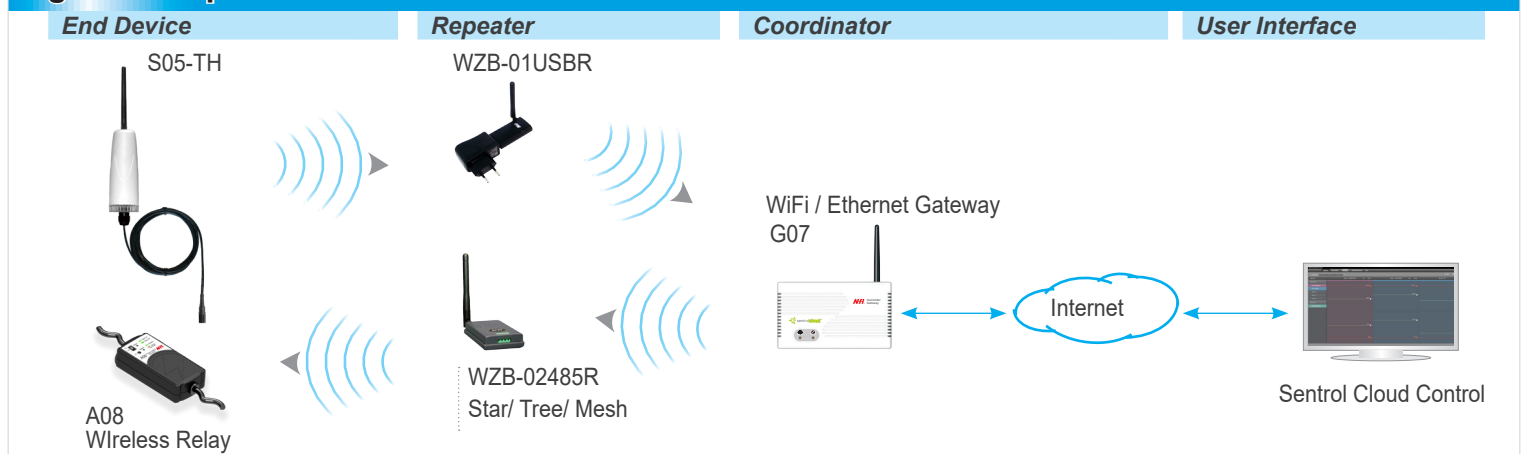
Product description:

The G07 is ideal for monitoring incoming data for environmental changes to ensure conditions remain within desired operating ranges. The G07 Controller Gateway delivers the data under zero data-loss criterion to the cloud database while independently activating actuators driving devices such as fans, heaters, misters, sprinklers etc. based on different profile and buffer zone settings. This device provides fully compliant wireless ZigBee communications with repeaters and end-devices. The Gateway is suitable for use in various environments and is compliant with Home Automation (HA Profile), lower power wireless sensor networks and consumer electronic applications. This device is fully compliant with all ZigBee Wireless topologies (Tree, Star & Mesh) and can coordinate up to 40 different 'end devices' (sensors) and 10 'output devices' (actuators).

Specifications

Aggregator Network	ZigBee Home Automation	Dimensions	175(L) x 103(W) x 35(H) mm
Connection to Cloud	Ethernet (default), WiFi, Cellular (Optional)	Weight	255g
Internet Functionality	DHCP/ Static IP Web Setting	Certifications	CE/ FCC
Nodes/Device Capacity	40 sensors, 10 actuators simultaneously	Security Mechanism	AES128Bit Encryption
Wireless Network Protocol	IEEE 802.15.4 Zigbee2007/PRO HA Profile	Connectors	RJ45 for Ethernet, 2 x USB , DC jack DC 12V adapter, SMA antenna
Transmission Range	Up to 300m/ 984ft	Extended Ports	Cellular module
Operating Frequency	2.4GHz ISM Band	LED Indications	LED for Network (Ethernet/ WiFi/ Cellular); ZigBee
RF Output Power	18dBm	Zero data-loss	Built-in 1G memory when connection to Cloud is lost
Receiver Sensitivity	-92dBm	Interoperability	Sentral Cloud
Power Consumption	260mA in average		
Transmission Interval	Always Standby		
Network Topology	Star/ Tree/ Mesh		
Power Supply	AC 100V~240V to DC 12V adapter		
Operating Environment	-10°C to +60°C / +14°F to +140°F		

ZigBee Complete Solution



Product Range & Accessories

Solution	Model No.	Description	Solution	Model No.	Description
End Device	S05-TH	Wireless Temperature and Humidity Sensor	Repeater	WZB-02485R	DC 6-24V by Terminal Block
Relay Repeater	A08	Wireless Power Meter Actuator	Gateway	G07	ZigBee to WiFi / Ethernet Smart Home Wireless Controller Gateway Base Station
Repeater	WZB-01USBR	DC 5V Adapter	Cloud	Sentral Cloud	Sensor Control Cloud Service