

# G07 ZigBee to WiFi/ Ethernet Smart Auto Control Gateway



## Features & Benefits

- Supports Nietzsche Enterprise's Sentrol 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 topology (Star/Tree/Mesh)

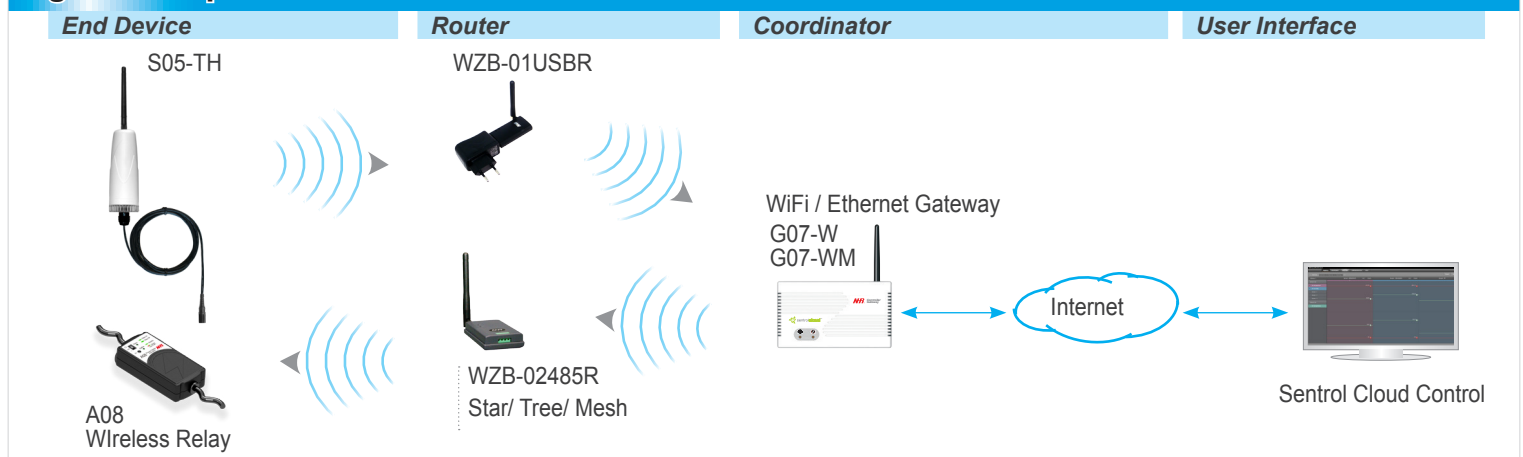
## Product description:

The G07 is ideal for monitoring incoming data for environmental changes to ensure conditions remain within desired operating ranges. The G07 Gateway Controller 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 routers 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 topology (Tree, Star & Mesh) and can coordinate up to 40 different 'end devices' (sensors) and 10 'output devices' (Relays)

## Specifications

Aggregator Network	ZigBee Home Automation, Bluetooth 4.0(optional)	Dimensions	175(L) x 103(W) x 35(H) mm
Connection to Cloud	Ethernet (default), WiFi, Cellular (Optional)	Weight	255g
Internet Functionality	PPPoE/ DHCP/ Static IP Web Setting	Operating System	Windows 95 ~ Win 8
Nodes/Device Capacity	40 sensors, 10 actuators simultaneously	Certifications	CE/ FCC
Wireless Network Protocol	IEEE 802.15.4 Zigbee2007/PRO HA Profile	Security Mechanism	AES128Bit Encryption
Transmission Range	500m/ 1640ft (Free space)	Environment & Safety Compliances	Environment & Safety Compliances
Operating Frequency	2.4GHz ISM Band	Connectors	RJ45 for Ethernet, 2 x USB , DC jack DC 12V adaptor, SMA antenna, 1-wire sensor (Optional)
RF Output Power	18dBm	Extended Ports	GPSM (Global Positioning System Module), Bluetooth 4.0, Cellular module
Receiver Sensitivity	-92dBm	LED Indications	LED for Network (Ethernet/ WiFi/ Cellular); ZigBee
Power Consumption	260mA in average	Zero data-loss	Built-in 1G memory card when connection to Cloud is lost
Transmission Interval	Always Standby	Interoperability	Sentrol Cloud
Network Topology	Star/ Tree/ Mesh		
Power Supply	AC 100V~240V to DC 12V adaptor		
Operating Environment	-10°C ~ +60°C / +14°F ~ +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	Gateway	G07-W	ZigBee to WiFi / Ethernet Gateway
Relay Router	A08	Wireless Power Meter Actuator	Gateway	G07-WM	ZigBee to 3G / GPRS Gateway
Router	WZB-01USBR	DC 5V Adaptor	Cloud	Sentrol Cloud	Sensor control cloud service
Router	WZB-02485R	DC 6 ~ 24V by terminal block			



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