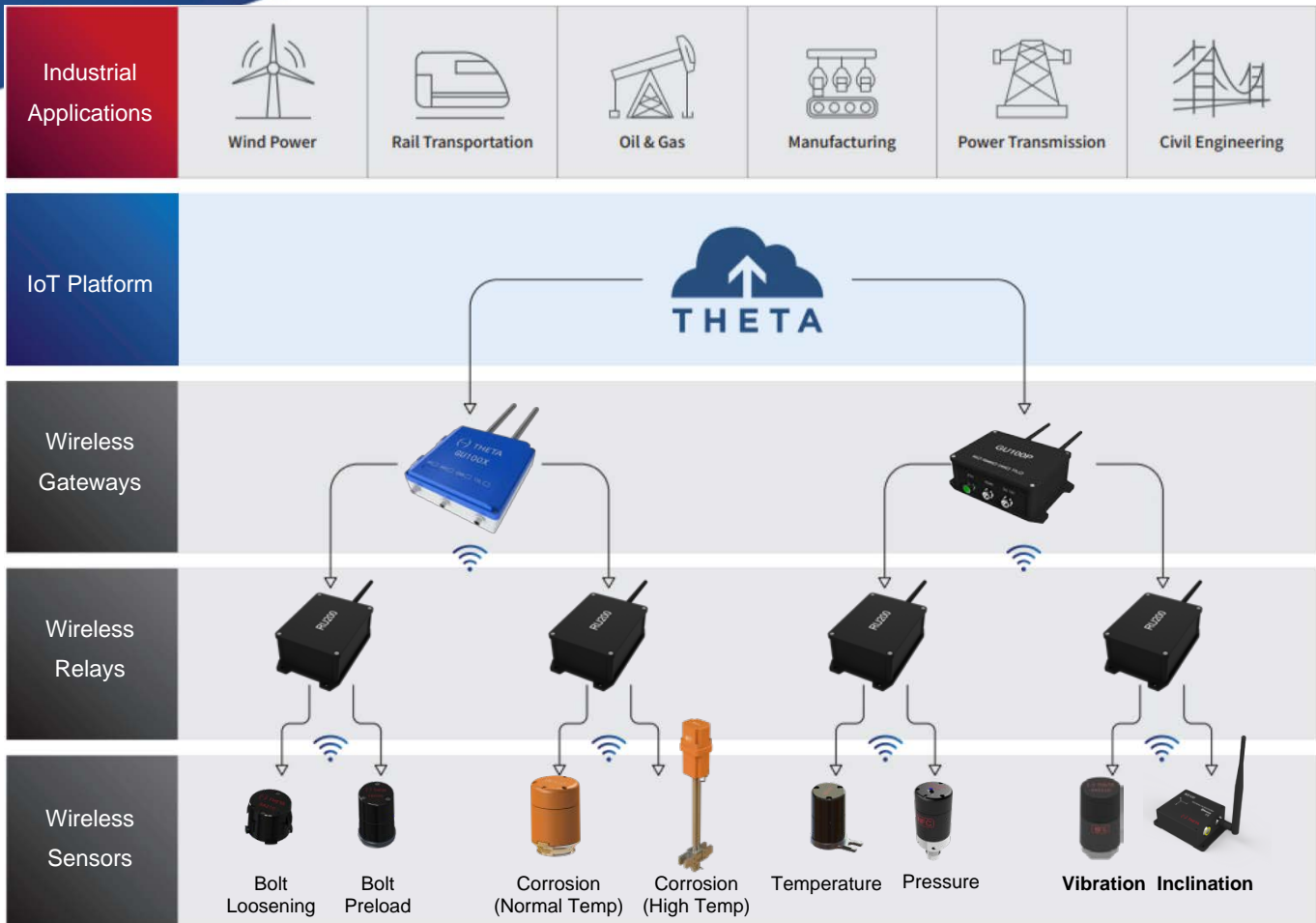


GU Series Wireless Gateways

ThetaWSN is our proprietary wireless sensor network based on Bluetooth technology. ThetaWSN is designed to achieve ultra-low power consumption across the entire network, ensuring long-lasting sensor operation. It offers exceptional resistance to interference and boasts a high signal-to-noise ratio, ensuring stable and reliable communication. ThetaWSN has been operating reliably and stably in various demanding industrial environments, providing a dependable foundation for the large-scale deployment of wireless sensors.

The GU series wireless gateway serves as the core device in the ThetaWSN network, responsible for coordinating and managing the wireless nodes. It efficiently manages connections between nodes, ensuring stable communication, and handling enrollment and withdrawal of nodes. By optimizing network connections, the gateway enhances the overall performance of the wireless sensor network, ensuring data transmission stability and real-time capabilities.

The gateway also manages and connects wireless sensors, facilitating protocol conversion between sensors and the central server or cloud platform. Equipped with multiple communication interfaces, including Ethernet, 4G, RS485, CAN, and supporting transmission protocols like MQTT, HTTP, Modbus, and more, it efficiently transfers sensor data to the cloud while receiving and transmitting user instructions back to the sensors. The gateway is designed with open API, allowing flexible integration with various systems and enabling a wide range of data applications and control scenarios.

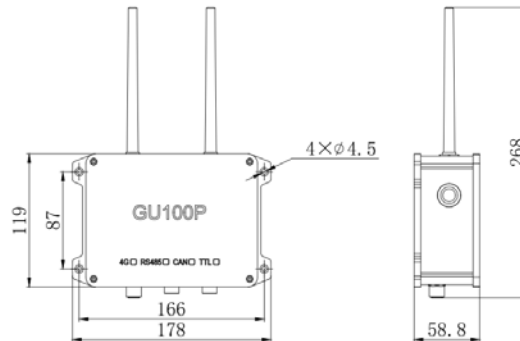


Specifications

Product Model	GU100P	GU100X
Wireless Sensor Network	2.4GHz Wireless Sensor Network (Bluetooth 5.0) Line-of-sight range: 300 meters with sensor node and 600 meters with relay node	
Number of Nodes	64 (including gateway)	
Wired Sensor Interface	Supports third-party Modbus/RS485 sensors	
WAN Communication	100M Ethernet; 4G (optional); RS-485/CAN (optional)	
Protocols	TCP/IP, DHCP, NTP, MQTT, HTTP, Modbus RTU, Modbus TCP, CAN	
Power Supply	DC12-24V; 5W	
Interfaces	Ethernet: 4pin-M12; Serial: RS-485/CAN/TTL (optional)	
Antenna Options	Rod antenna, suction cup antenna, fiberglass antenna	
Switch	Power on and off	
Indicator	Steady on, Flashing, Off	
Dimensions	178mm x 119mm x 59mm (L x W x H)	230mm x 220mm x 93mm (L x W x H)
Weight	1.0kg	2.75k
Operating Temperature	-40~85°C	
Operating Humidity	10%~90% RH	
Enclosure	Metal	
Ingress Protection	IP67	
Explosion Protection	-	EX ia IIC T6 Ga
Mounting	Bolt fastening	Bracket



GU100P



GU100X

