

RFaaS Industrial Wireless Gateway is used for a variety of detections, which is suitable outdoor and indoor environment to resist the water, dust, temperature and shock and meet with the IP68 standard. In internet of wireless sensor, our Industrial Wireless Gateway is designed to efficiency and saving energy and used of wireless communication to transmit data, which can save much wiring cost, and more convenient.

Industrial Wireless Gateway collect much data that are detected by the sensing devices for the environments such as temperature, humidity, brightness, vibration, etc., and transmit to the center for analysis and monitoring. We base on the information collected to control the state of environments and make decisions immediately.

The application range is quite wide and suitable a variety areas and environments. For example, automated farm / garden detecting system, bridge safety monitoring system, river-water stage warning and smart lighting control system.



## LoRa / RS485 & AUX In / Out Gateway

WW-3C28

- LoRa Wireless data link provide stable data stream.
- Wide voltage operation for Industrial applications.
- Multi-Interface support RS-485 / Analog or Digital Input / Digital Output.
- AUX Power output for general purpose such as plug-in sensor, or other sub system.
- Software setting function such as Frequency / ID / P2P / Group / Broadcast / Power output ....
- Resist the water, dust, temperature and shock and meet with the IP68 standard.
- Analog Input Support 0~10V / 0~20mA / 4~20mA / ADC (0~10V).
- Modbus command for Analog Input / Digital Input / Digital Output / DC Output.
- Digital Output support PWM / Latch Mode.
- AUX I / O support remote setup / status inquiry function.



Product Type	Outdoor
Air Stream Protocol	LoRa Wireless Protocol
Operating Frequency Range	410 - 525MHz / 862 - 1020MHz (According to the local regulatory compliance.)
Sensitivity	Up to -136dBm@SF=7 / 10.4K bandwidth
Transmit RF Power	Maximum 25mW
Interface	RS-485 x 1 / Analog or Digital Input x 1 / Digital Output x 1
RS-485 Protocol	Modbus RTU
Serial Interface Baud Rate	1200bps / 2400bps / 4800bps / 9600bps / 19200bps / 38400bps / 57600bps / 115200bps / 230400bps
Analog Input	Analog Input Support 0-10V / 0-20mA / 4-20mA / ADC (0-10V).
Digital Input	Digital Input Support High / Low Signal Judge
Digital Output	Digital Output Support PWM / Latch Mode
Operating Temperature	-40°C - 85°C
Topology	Broadcast / Group / Peer to Peer
Main Unit Dimensions	10 x 10 x 4.8 cm (Not include antenna and external connect)
Weight	195 g
Waterproof	IP 68
Input Power Supply	12V - 36V DC / 1A
Output Power Supply	5V DC / 200mA (Max.)
Power Consumption	24V 15mA @868 / 920MHz receive, 24V 95mA @868 / 920MHz transmit 25mW
Special Specification	Flame Retardant

\*Specifications are subject to change, in the interest of technical improvement, without notice or obligation.