



# Wireless LoRa Controller

## WD2321-00

The Controller, WD2321-00 embeds with the LoRa module to enable wireless communication with Jorjin's LoRa Gateway over LoRa network. WD2321-00 is equipped with the several types of interfaces to provide flexibility of integration with a variety of industrial sensors that achieve various IoT applications.

### SPECIFICATION

Model Name	WD2321-00	
Main Chip	STM32F415 + SX1276 for Europe & North America / STM32F415 + SX1278 for China	
LoRa	Frequency band supported	863-870MHz for Europe 902-928MHz for North America 470~510MHz for China
	Spreading Factor	7~12
	Topology	Star network
	Transmit Power	18dBm
	Rx Sensitivity	Up to -136dBm at SF = 12 / 125KHz
	RF Data Rate	21.9 kbps at SF7 mode
	Sensor Communication Function	Temperature Sensor Input
Analog Input		Voltage input x 1 - 1 to 5 V / 0 to 5 V Current input x 2 - 4 to 20 mA / 0 to 20 mA
Digital input x 2 / Digital Output x 2		
I2C x 1		
RS-485 x 1 RS-232 x 1		
IP Rating	IP 67	
Power Supply	DC 6V~12V	
	Output power option: 3.3 V	
Environmental	Operating Temperature	-20°C ~ 50°C
	Storage Temperature	-40°C ~ 80°C
Dimension (W x L x H) mm	80 x 140 x 65mm	
Weight	274.5 g	

\* Specifications subject to change without notice.