

Jorjin Wireless LoRa IoT Gateway

WD3132-00 / WD4132-00

Jorjin's Wireless LoRa Gateways are integrated with LoRa Network & Application server, together with the Gateway functions into one box. This provides an ideal solution for businesses, enterprises, factories, and many other industries to operate their own 'Private LoRa Network' and benefit complete IoT connectivity by utilizing their existing network infrastructure with fast and affordable deployment.



WD4132-00
Outdoor Gateway

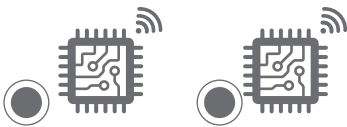


WD3132-00
Indoor Gateway

APPLICATION DIAGRAM

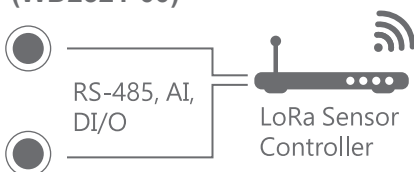
Sensor Node

LoRa Modules (WD1321-00)



Sensor / Meter devices

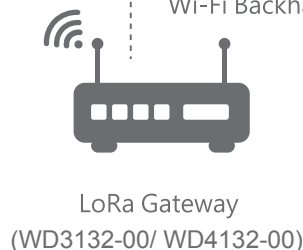
LoRa Sensor Controller (WD2321-00)



Sensor / Meter devices

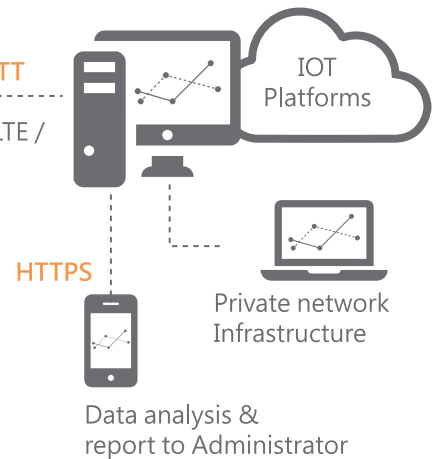


Gateway



LoRa Gateway
(WD3132-00/ WD4132-00)

Application



Jorjin Wireless LoRa IoT Gateway

WD3132-00 / WD4132-00

SPECIFICATIONS

Processor	
CPU Process	Qualcomm IPQ4029 Quad-Core SoC
System Memory	
Memory Type	DDR3L 1600 SDRAM, 128MB x 16 (2Gbits)
NAND Flash	128MB (1Gbits)
Interface	
LAN	1 x RJ45 10M/100M/1000Mbps
USB	1 x USB3.0 type A
WLAN	2 x 2 IEEE802.11a/b/g/n/ac Indoor: 2.4GHz - 2.9dBi / 5GHz – 4.4dBi Outdoor: 2.4GHz – 3.0dBi / 5GHz – 5.0dBi
Storage	1 micro-SD socket
Serial Port	1 x RS-232/422/485 (DB9 Male)
Cellular (optional)	1 x 3G/LTE Backhaul with 2 micro-SIM cards
Power (Indoor)	
Power Adaptor Spec	AC Input: 100-240V, 1.2A, 50-60Hz DC Output: 12V, 3.0A
Connector	DC power jack, or space 2-pin terminal block (optional)
Power consumption	< 18W
Power (Outdoor)	
Device Input	AC Input: 100~240V, 0.75A (incl. AC to DC power module)
Connector	2-pin terminal block for AC-In
Power consumption	< 18W
On-Board Slots	
Mini PCI-e Socket	1 for 3G/LTE module
Mini PCI-e Socket	1 for LoRa module
SD Card Slot (micro-size)	1
SIM Card slot (micro)	2
Environment	
Operating Temperature	Indoor: -20°C ~ 60°C / Outdoor: -20°C ~ 70°C
Storage Temperature	-40°C ~ 80°C
Relative humidity	5% ~ 95%
Physical Feature	
Dimension (W x L x H) / Weight	Indoor: 124 x 186 x 33.5mm / 803g ±5g Outdoor: 239 x 269 x 68mm / 2653g ±5g
IP Rating	IP67 Outdoor only
OS	
OS Compatibility	OpenWRT (Linux Kernel: 3.14.43)

*Specifications subject to change with notice