

RF as a Service
OEM / ODM

LoRa GATEWAY

Design and Manufacturing Service

Our RFaaS teams offer a great range of wireless electronic products on the basis of OEM / ODM. We welcome your ideas and will create the best solution for you.



WB-3628

LoRa Gateway RS485 & RS232

- LoRa Wireless data link provide stable data stream.
- Wide voltage operation for Industrial applications.
- High output RF Power and high sensitivity provide more than 40KM transmission distance.
- Multi-Interface support RS-485 / RS-232.
- 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

WW-3C28

LoRa Gateway RS485 & AUX In / Out

- LoRa Wireless data link provide stable data stream.
- Wide voltage operation for Industrial applications.
- High output RF Power and high sensitivity provide more than 40KM transmission distance.
- 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 0~10 V / 0~20 mA / 4~20 mA / ADC (0~10 V).
- 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.



WW-3D28

LoRa Gateway RS485 & 5 Ports AUX In / Out

- LoRa Wireless data link provide stable data stream.
- Wide voltage operation for Industrial applications.
- High output RF Power and high sensitivity provide more than 40KM transmission distance.
- 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 0~10 V / 0~20 mA / 4~20 mA / ADC (0~10 V).
- 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.

Specification

WB-3628

Product Type	Indoor
Air Stream Protocol	LoRa Wireless Protocol (No support LoRaWan)
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 2W
Interface	RS-485 x 1 / RS-232 x 1
RS-485 Protocol	Modbus RTU
Serial Interface Baud Rate	1200bps / 2400bps / 4800bps / 9600bps / 19200bps / 38400bps / 57600bps / 115200bps / 230400bps
Operating Temperature	-40°C ~ 85°C
Topology	Broadcast / Group / Peer to Peer
Main Unit Dimensions	10 x 10 x 2.98 cm (Not include antenna)
Weight	140 g
Input Power Supply	12V ~ 30V DC / 1A
Output Power Supply	5V DC / 200mA (Max.)
Power Consumption	24V 15mA @868 / 920MHz receive, 24V 400mA @868 / 920MHz transmit 2W
Special Specification	Flame Retardant

WW-3C28

WW-3D28

Product Type	Outdoor	
Air Stream Protocol	LoRa Wireless Protocol (No support LoRaWan)	
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 2W	
Interface	RS-485 x 1 / Analog or Digital Input x 1 / Digital Output x 1	RS-485 x 1 / Analog or Digital Input x 5 / Digital Output x 5
RS-485 Protocol	Modbus RTU	
Serial Interface Baud Rate	1200bps / 2400bps / 4800bps / 9600bps / 19200bps / 38400bps / 57600bps / 115200bps / 230400bps	
Analog Input	Analog Input Support 0~10 V / 0~20 mA / 4~20 mA / ADC (0~10 V)	
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	250 g
Waterproof	IP 68	
Input Power Supply	12V ~ 36V DC / 1A	
Output Power Supply	5V DC / 200mA (Max.)	Main Port: 10V DC / 100mA (Max.), AUX 2~ AUX 5: 10V DC / 50mA (Max.)
Power Consumption	24V 15mA @868 / 920MHz receive, 24V 400mA @868 / 920MHz transmit 2W	
Special Specification	Flame Retardant	

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

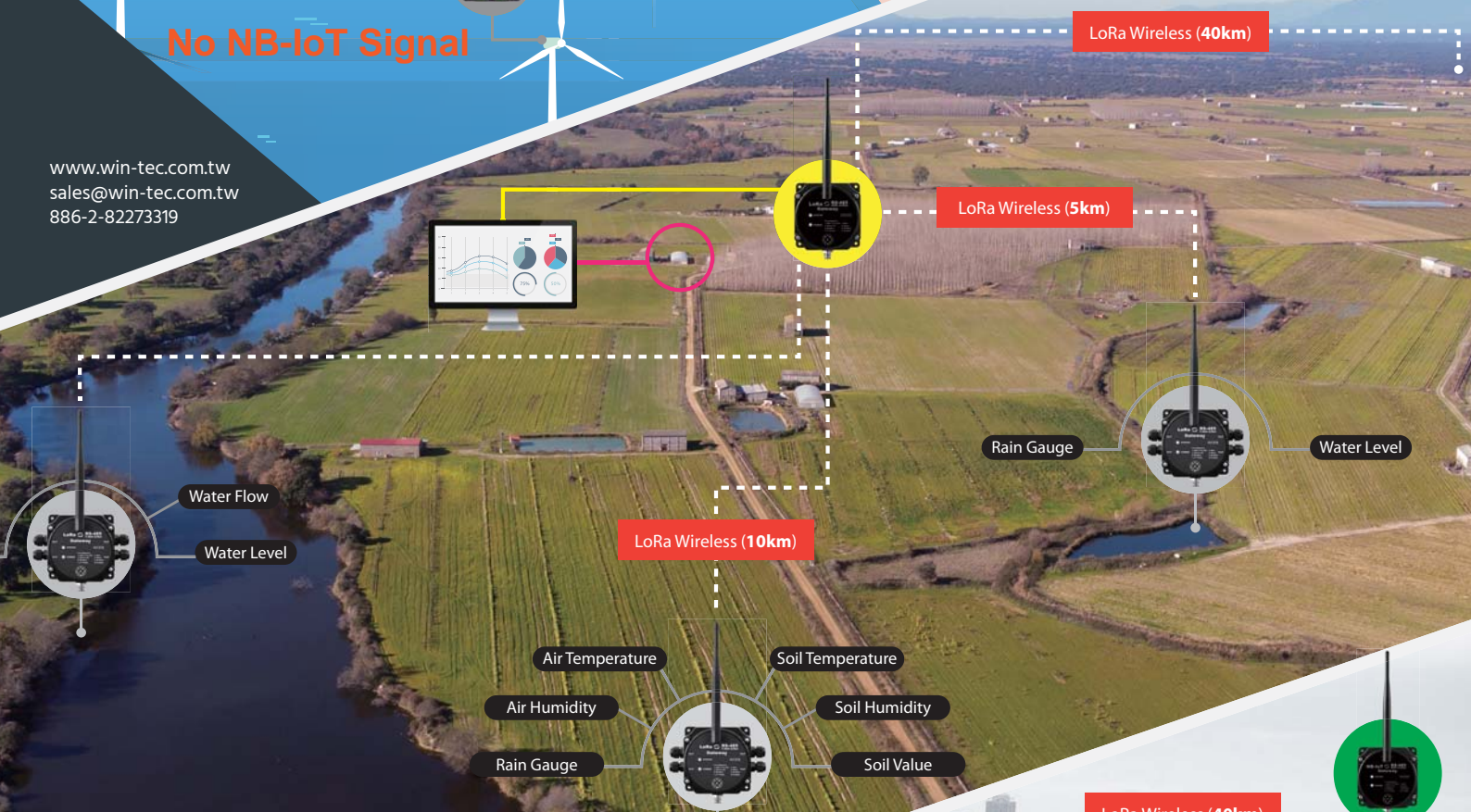


Smart Wind Farm Solutions

No NB-IoT Signal

LoRa Wireless (40km)

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Agricultural Irrigation - Farm Management Solutions

LoRa Wireless (40km)



LoRa Wireless Environment Monitor