

LGT-3C28-W1

Outdoor LoRa Gateway with RS485 & AUX



FEATURE HIGHLIGHTS

- LoRa Wireless data link provide stable data stream.
- Wide voltage operation for Industrial applications
- High output RF Power and high sensitivity provide more then 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
- AUX I / O support remote setup / status inquiry function

SPECIFICATIONS

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 2W
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 0~10 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
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 400mA @868 / 920MHz transmit 2W
Special Specification	Flame Retardant

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ORDERING INFORMATION

Model name	Description
WW-3C28	LoRa / RS485 & RS232 Gateway, IP68

DIMENSIONS

Unit: mm [in]

