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CG58LD

Datasheet



versionV1.01

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About this document

This document focuses on CG58LD REV. B Of the specification parameters.

Product selection

model	region	Frequency band	Transmit power	4G Features
CG58LD REV.B(CN490LC30S-1B1E)	CN490	Chinese Mainland	+30dBm	nothing
CG58LD REV.B(CN490LC30S-1B1E1K)	CN490	Chinese Mainland	+30dBm	Yes
CG58LD REV.B(EU868HS27S-1B1E)	EU868	Europeregion	+27dBm	nothing
CG58LD REV.B(US915HD27S-1B1E)	US915	Americas region	+27dBm	nothing
CG58LD	US915	Americas	+27dBm	Yes

REV.B(US915HD27S-1B1E1K)		region		
CG58LD REV.B(AU915HD27S-1B1E)	AU915	Regions of Australia	+27dBm	nothing
CG58LD REV.B(AU915HD27S-1B1E1K)	AU915	Regions of Australia	+27dBm	Yes
CG58LD REV.B(AS923HS27S-1B1E)	AS923	Asia Pacific	+27dBm	nothing
CG58LD REV.B(AS923HS27S-1B1E1K)	AS923	Asia Pacific	+27dBm	Yes
CG58LD REV.B(UZ925HS27S-1B1E1K)	UZ925	Uzbek	+27dBm	Yes

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1. Version information

Date	Version	Updated content
2023.12.07	V1.00	Create this document
2023.12.12	V1.01	Additional Product Selection

2. Packing list

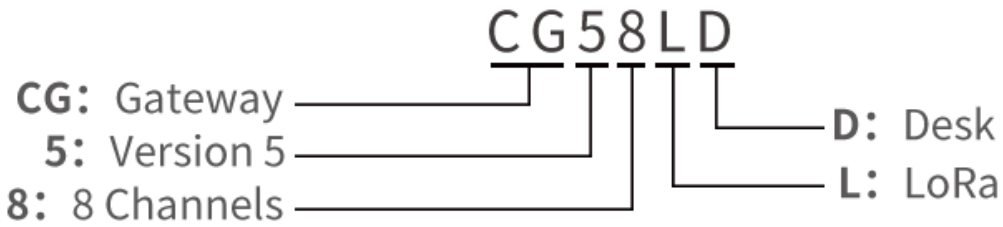
Serial number	name	Number
1	The Smart Gate of Lora	1

2	The loRa Angler	1
3	4G Air Lines	1
4	2.4G An Air	1
5	The power adapter	1
6	Expansion bolt	2
7	Certificate	1

3. Product Overview

The CG58LD REV. B uses the Wi - Fi + Ethernet dual mode controller platform and the S98E 8-channel loRa Gate module with Mini PCi-e interface to support global frequency band. Support BLE function for the configuration of the gate with great ease, the use of mobile phone connection, you can carry out background complex parameter configuration. OLED liquid crystal interface is small in size, easy to use, and improve the efficiency of field installation and diagnosis.

4. Model Dxplaination



5. Application scenario



6. Basic functions

- Support for the loRaWAN protocol, support for mobile communication
- Hald-duple communication, 1 physical Tx, 8 physical Rx, Multi SF technology, 48

logical concurrency receive channel

- 433 / 470 / 868 / 915 / 923 Multi-band optional
- Support Class A / B / C working mode
- Support Ethernet / 4G Data Return (Full Network)
- Support on site TF card system update and parameters
- Support for remote firmware upgrade and parameter configuration
- Support BLE connection for setting and view the parameters of the gate
- Support OLED LCD to view the status of the gate
- Wide range of Direct Current Power Supply and Power Supply

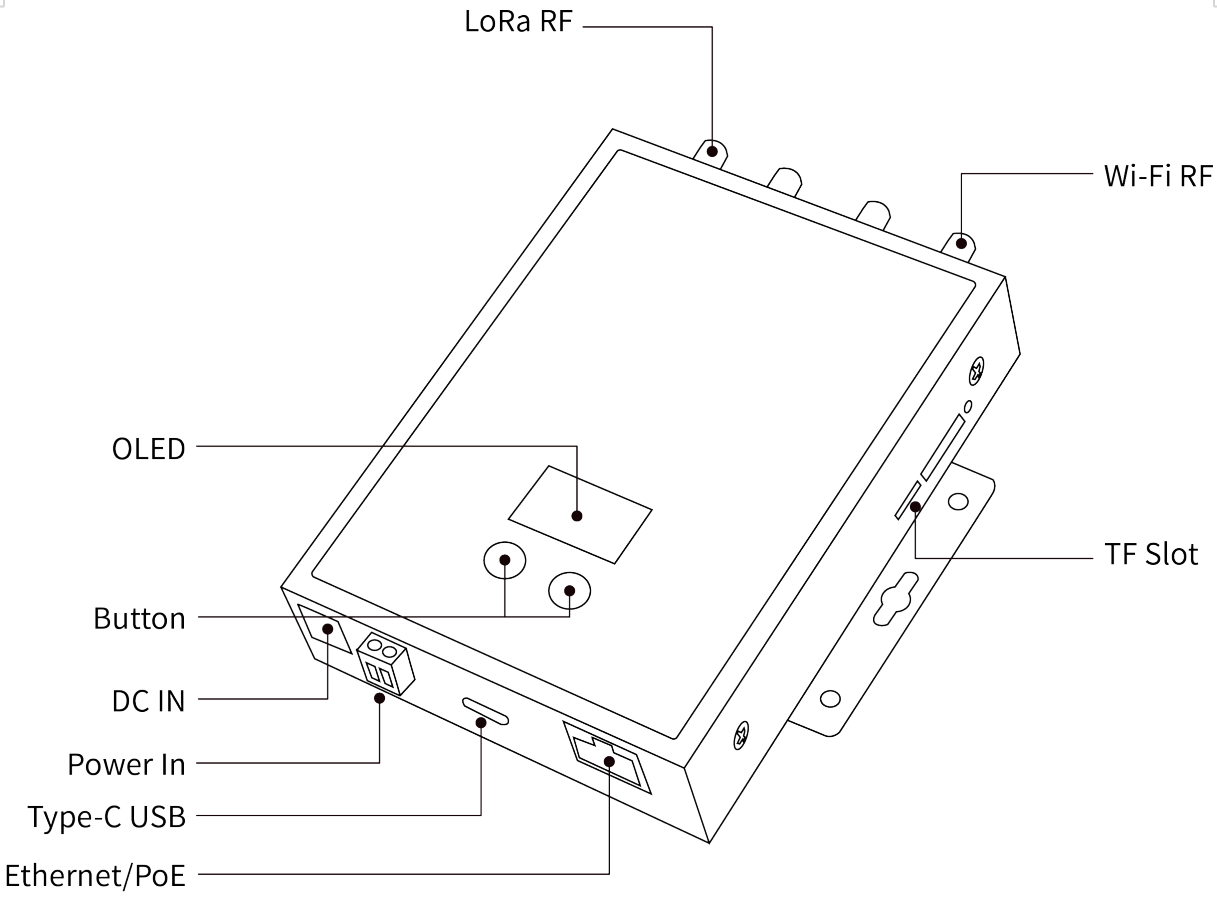
7. Wireless parameters

category	project	least value	Typical value	Maximum value
Spread spectrum factor	LoRa	SF7	--	SF12
Support frequency band	433/470/868/915/923	--	--	--
Transmit power	--	--	--	+30dBm
Receiving sensitivity	Spread Factor 10 Band 125 KHz	--	-135dBm	--
signal path	8 channel up 1 channel down	--	--	--

8. Electrical characteristics

category	project	least value	Typical value	Maximum value
Operating voltage	Power Supply Interface Supply	9Vdc	12Vdc	36Vdc
	POE Power Supply	38Vdc	48Vdc	57Vdc
Static power consumption	Average power consumption during normal operation	--	1W	--

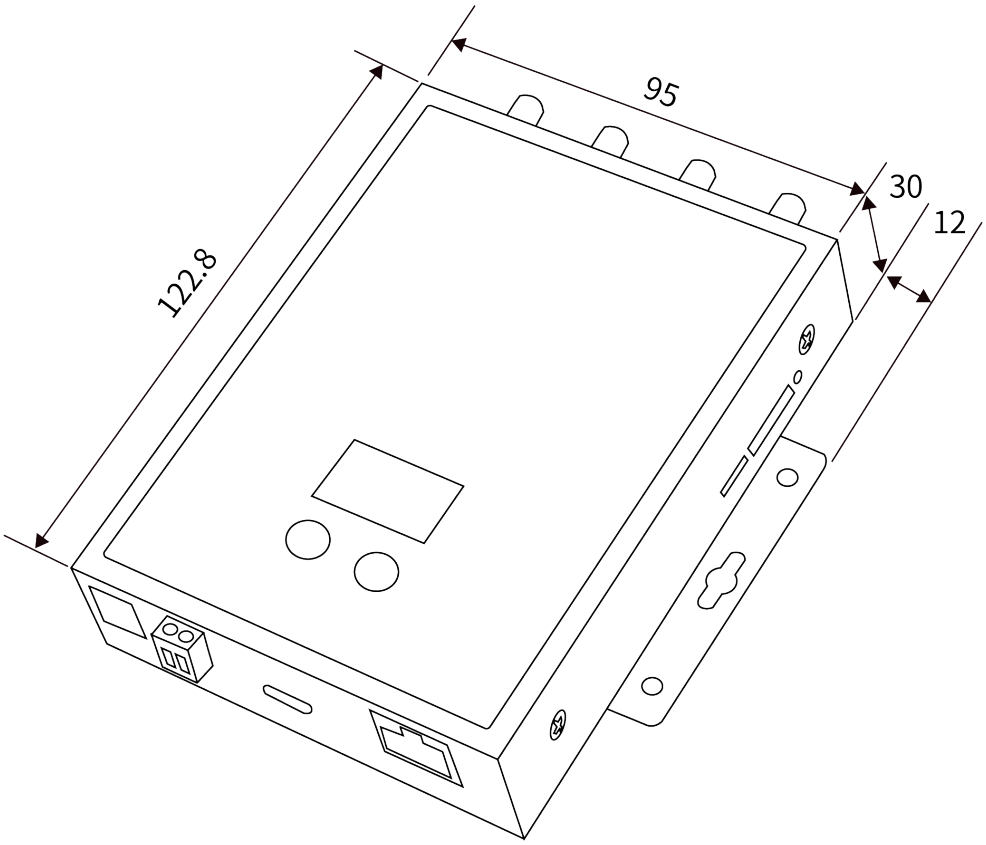
9. Hardware interface



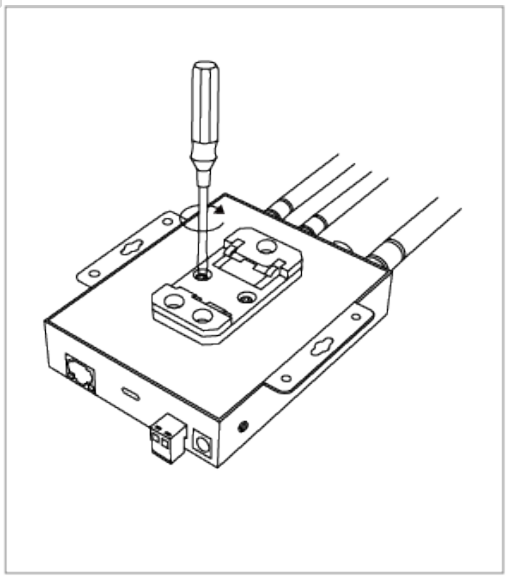
name	Introductions
The loRa Radio Connection	SMA external screw inner hole
LTE Air Port	SMA external screw inner hole
The Internet Connection	SMA external screw inner hole
SIM Card Soot	Full Net Com Minisim Card
TF Card Jack	For firmware upgrade
DC Power Supply Entry	9 ~ 36 Vdc input，DC5. 5/2. 5
Power input	9 ~ 36Vdc input
Type-C USB	Manufacturer reservation
Etainet / POE	10 / 100M Ethernet, support for POE power supply

10.Mechanical dimensions

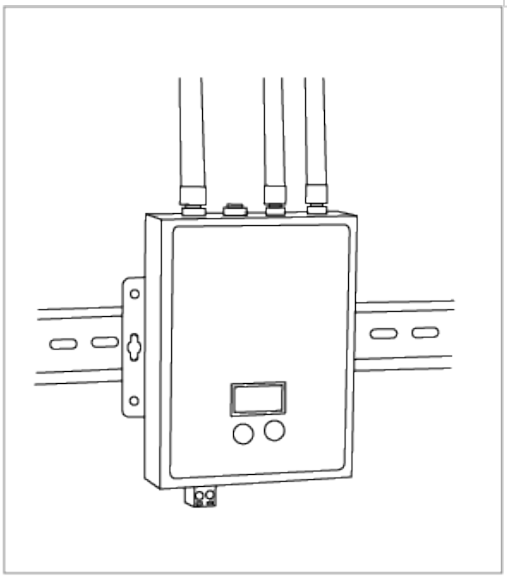
Unit: mm, Error: ± 0.2 mm.



11.Guide Rail Mounting Instructions

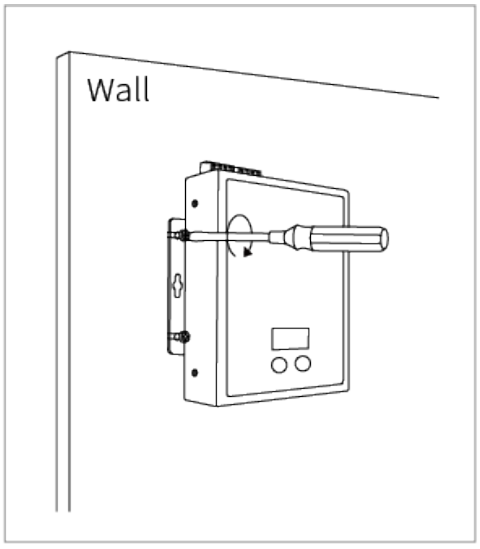


❶ Guide rail board installed on the back of the gateway (Optional accessories)

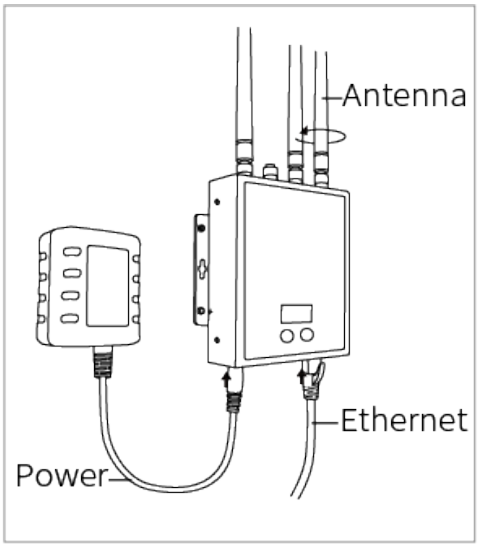


❷ Install the gateway onto the guide rail

12.Wall Installation Instructions



❶ Fix the gateway to the wall with expansion bolts



❷ Connect the power supply, Ethernet cable and antenna