



碩久科技有限公司

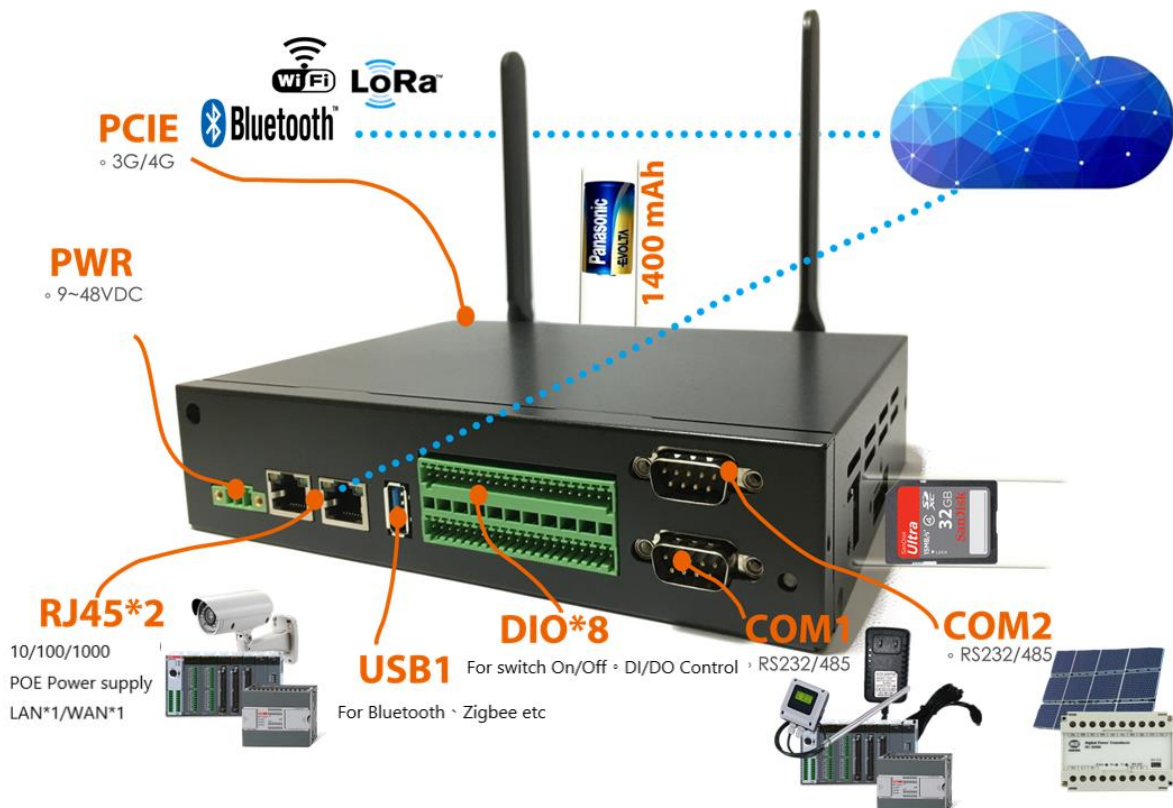
MaxLong Technology Co., Ltd

SG221X series 4G LTE Controller

Feature



- Industrial grade hardware design ,Suitable for harsh environment
- Support Message Queue Technology (MQTT) , Could connect with cloud and mobile devices
- Designed for Machine-to-Machine Communication , Using 3G / 4G 和 WAN Port Access Internet
- Provided various serial port & 和 GPIO Functions
- Support wide voltage input
- Lithium-ion battery keeps the controller active in the event of a power failure
- Built-in SD port to ensure data is saved when wireless is disconnected



Specification

		SG2218	SLG2218	SG221C	SLG221C
Main Chip					
Soc	1G Sitara ARM Cortex-A8,	V	V	V	V
Memory	DDR3 512M Bytes	V	V	V	V
	NAND Flash 256M Bytes	V	V	V	V
Operating System	GNU Linux	V	V	V	V
LoRa					
Frequency	862~932MHz		V		V
Frequency Accuracy	± 10KHz		V		V
Modulation	LoRa		V		V
Transmit Power	2~+20dBm		V		V
Data Rate	0.244~18.2Kbps(LoRa)		V		V
High Sensitivity	down to -137dBm		V		V
Communication Distance	2Km		V		V
Antenna Impedance	50ohm		V		V
		SG2218	SLG2218	SG221C	SLG221C
Serial Port					
RS232/RS485	2 port RS232/RS485 with TB	V	V	V	V
	Full Duplex of RS232 Baud Rate up to 115K bps	V	V	V	V
	Half Duplex of RS485 Baud Rate to 115K bps	V	V	V	V
USB	1 port USB 2.0 Host	V	V	V	V
Network					
Giga Ethernet	1*10/100/1000 Base-TX LAN port 1XLanPort	V	V	V	V
	10/100/100 Base-TX WAN port 1XWanPort	V	V	V	V
Protocol	TCP, UDP, HTTP, SNTP, DHCP, FTP, PPP, IPv4	V	V	V	V
Storage					
	Support 32G SD	V	V	V	V
DI/DO					
	125 Vac @0.5A, 24 Vdc @1A	V	V	V	V
Output	8*Relay Dry Contacts, Terminal Block	V	V		
	12*Relay Dry Contacts, Terminal Block			V	V
Input Input	8*Dry Contacts, Terminal Block	V	V		
	12*Dry Contacts, Terminal Block			V	V
Configurations and Management					
WEB	Support HTML web control interface	V	V	V	V
CGI	Support CGI control interface	V	V	V	V
Firmware	Support system firmware upgrade	V	V	V	V
Power Source					
Supply Voltage	+9~24 VDC, Terminal Block	V	V	V	V
Power Consumption	6-15W	V	V	V	V
Environment					
Operating Temperature	-10°C~70°C	V	V	V	V
Mechanism					
Dimensions	W*H*D: 189*141*44 (mm)	V	V	V	V
Weight	730-850g	V	V	V	V
Option					
3G	HSPA data rate (Mbps)=3.6(DL) UMTS data rate (Kbps)=384(DL)/384(UL) LTE-FDD Max 10M (DL)/ Max 5M (UL)	Option	Option	Option	Option
4G	HSPA data rate (Mbps)=14.4(DL)/5.76(UL) UMTS data rate (Kbps)=384(DL)/384(UL) LTD-FDD Max 150Mbps (DL) Max 50Mbps (UL) LTE-TDD Max 130Mbps (DL) Max35Mbps (UL)	Option	Option	Option	Option
POE		Option	Option	Option	Option