



長距離無線傳輸轉換器 RS232 /RS485/ DIO 三合一透過 DIP switch 進行模式切換

Maxlong LoRa Gateway/Converter

碩久LoRa 轉換器,是一款長距離,簡單安裝設定使用的通訊轉換器適合長距離,低資料量之通訊使用

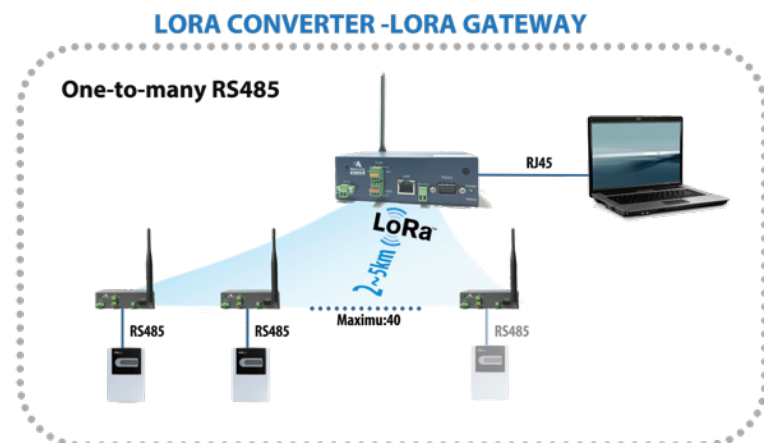
我們的通訊方式採用LoRa透傳的方式,原始資料不需要為LORA 進行修改格式

架構上支援1對1及1對多模式,1對多建議數量為1為40通訊效果較佳

在一對多的架構上,必須由設備端自行定義設備ID, LORA converter採用透傳方式,將不帶ID

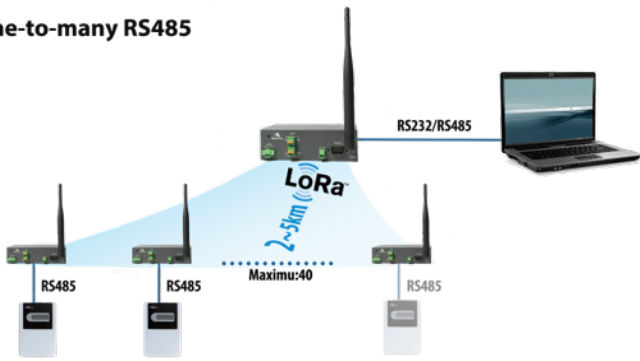
- ➔ LoRa Gateway 提供 Lan port /RS232/RS485介面供使用
- ➔ LoRa Converter 提供 RS232/RS485/DIO 介面

Lora application scenario



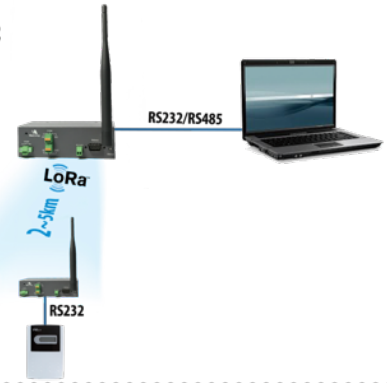
LORA CONVERTER -LORA CONVERTER

One-to-many RS485



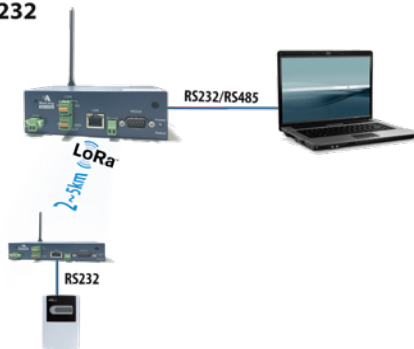
LORA CONVERTER RS232-LORA CONVERTER

One-to-one RS232



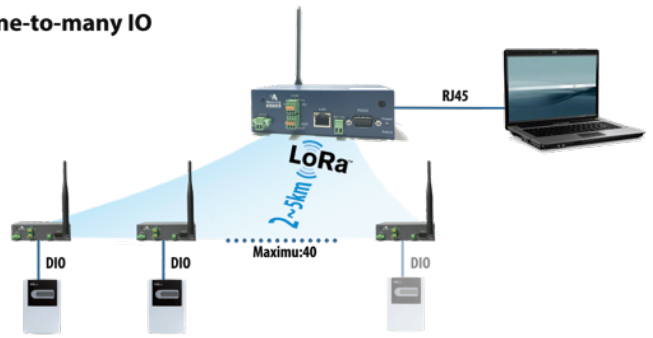
LORA GATEWAY -LORA GATEWAY

One-to-one RS232



LORA CONVERTER IO-LORA GATEWAY

One-to-many IO



Sky LoRa-SPEC



Model Name	LoRa converter SLC922	SKY LoRa Gateway SLG1211
Main Chip		
LoRa Transmission	Semtech SX1272	Semtech SX1272
Soc	Cortex®-M0	1GHz Sitara ARM Cortex®-A8
Memory	-	DDR3 512M Bytes
	Flash 128K	NAND Flash 256M Bytes
Operating System	-	GNU Linux
LoRa		
Frequency	862~932MHz	
Frequency Accuracy	± 10KHz	
Modulation	LoRa	

Model Name	LoRa converter SLC922	SKY LoRa Gateway SLG1211
Transmit Power	2~+20dBm	
Data Rate	0.244~18.2Kbps(LoRa)	
High Sensitivity	down to -137dBm	
Communication Distance	2Km	
Antenna Impedance	50ohm	
USB Port		
	-	1 Port USB Host
Serial Port		
RS232/RS485	1 port RS232 with DB9 or 1 port RS485 with TB5 (S/W Jump select)	1 port RS232 with DB9 or 1 port RS485 with TB5 (Internal Jump select)
	Half Duplex of RS232 Baud Rate to 9600、19200、38400、57600、 115200bps	Full Duplex of RS232 Baud Rate up to 115K bps
	Half Duplex of RS485 Baud Rate to 9600、19200、38400、57600、 115200bps	Half Duplex of RS485 Baud Rate to 115K bps
Network		
Ethernet	-	1*10/100/1000 Base-TX LAN port
Protocal	-	TCP, UDP, HTTP, SNTP, DHCP, FTP, PPP, IPv4
DI/DO		
	125 Vac @0.5A, 24 Vdc @1A	125 Vac @0.5A, 24 Vdc @1A
Output	1*Relay Dry Contacts, Terminal Block	1*Relay Dry Contacts, Terminal Block
Input	1*Dry Contacts, Terminal Block	1*Dry Contacts, Terminal Block
Configurations and Management		
WEB	-	Support HTML web control interface
CGI	-	Support CGI control interface
Firmware	Com port support system firmware upgrade	Lan port support system firmware upgrade
Power Source		
Supply Voltage	+9~24VDC, Terminal Block	+9~48 VDC, Terminal Block
Power Consumption@12V	Max 3W	Max 12W
Environment		
Operating Temperature	-20°C~70°C	-10°C~70°C
Mechanism		
Dimensions	W*H*D: 43*135*96 (mm)	W*H*D: 43*135*96 (mm)
Weight	400 ± 5g	450 ± 5g
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)
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)
Wi-Fi	-	IEEE 802.11 a/b/g/n (Options)
Battery Supply	-	Li-ion 1400mAh

