



碩久科技有限公司

MaxLong Technology Co., Ltd



SG2245 多功能控制器

產品特性

高性能

核心採用工業用Broadcom BCM2711，具有4核心運算能力，可執行AI極大資料邊緣運算。

大彈性

可 搭 配

1. LTE 4G/5G模組達到高傳輸、低延遲，滿足場域應用。
2. LoRa模組，成為LoRa 控制器，收集Local資料後，透過行動網路與雲端通訊。
3. USB 3.0 可以接AI神經棒做高速運算。

多功能

具有 2 個網路，2 個 RS232 或 2 個 RS485 及1個DO，5個DI，滿足各場域不同需求。

5G

AI

IoT

Features

- Built-in Raspberry Pi CM4
- Wide Range Input Power (DC 9 ~ 32V)
- Multiple I/O Interfaces
- Powerful Computing capability
- CPU Heatsink Transfer Heat To Metal Housing
- M.2 key B for 5G (Default)
- M.2 key M for PCIe SSD / AI (optional)
- Mini-PCIe (for 4G/NB-IoT/LoRa)

Order Information

SG2245

SG2245-5G

SLG2245 LoRa

SLG2245-5G

System

CPU	Broadcom BCM2711 QuadCore Cortex A72 (ARM v8) 64 bits SoC @ 1.5G
RAM	2 G Bytes LPDDR4 SDRAM
ROM	8 G Bytes EMMC Flash Memory
GPU	VideoCore VI (OpenGL ES 3.0, H.265 HEVC (4Kp60fps decode), H.264(1080p60fps decode)
OS	Linux OS

Connectivity

Wireless	Wifi 802.11b / g / n / ac (2.4/5GHz) (optional) Bluetooth 5.0 BLE (optional)
5G	M.2 key B USB 3.0 / PCI-E for 5G (optional)
4G	Mini-PCIe : USB 2.0 for 4G / NB-IoT / LoRa · (optional) Nano SIM Slot for 5G / 4G / NB-IoT
Ethernet	10/100/1000 Mbps Giga Lan * 1 (RJ45) · 10/100Mbps * 1 (RJ45)

Interface

USB 3.0 * 2, USB 2.0 * 2 · (optional) M.2 key M for PCIe SSD

Serial Port

Port 1: RS-232/422/485 * 1 · Port 2: RS-232/485 * 1

Digital Input / Digital Output

Digital Input

Digital Input * 5 Pin
(Active High / Active Low Selectable)
Dry contact : Logic level 0 : close to GND ,
Logic level 5 : open
Wet contact :Logic level 0 : 0 ~ 3 V,
Logic level 1 : 10 ~ 30 V

Digital Output

Digital Output * 1 Pin
(Active High / Active Low Selectable)
120VAC @0.5A, 240VAC @0.25A, 30VDC @1A

Video Output

Micro HDMI * 1 (4Kp60fps with audio)

Mechanical & Environment

Operating Temperature : - 20 °C ~ 75 °C
Storage Temperature : - 25 °C ~ 80 °C

Dimensions : 170 * 110 * 30 mm (W * D * H)
Weight : 950 gm
Housing : Metal.

Power

DC 9~32V, 1000mA@12V (DC Jack or Terminal Input)

LED

PI PWR / EMMC / Serial / DI / DO / SYS-Customer defined / 5G / 4G

Others

RTC : Real Time Clock * 1 (with Battery)
Buzzer * 1
Watch Dog Timer

Reset Button * 1
MIPI CSI 2-lane * 1 (optional)
Fan - DC 12V (optional)

Warranty

Warranty period : 1 year

0975-365-352



jerrypeng@maxlong.com.tw



30271新竹縣竹北市福興東路一段280號2樓

