



# 樹莓派 計算模組核心板底板接口簡介

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-PCle : 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 * 5 Pin (Active High / Active Low Selectable) Dry contac Logic level 5 : open ct : Logic level 0 : close to GND Wet contact : Logic level 0: 0 ~ 3 V. Logic level 1: 10 ~ 30 V	Digital Input * 1 Pin (Active High / Active Low Selectable) 120VAC @0.5AA, 240VAC @0.25A 30VDC@1A

Mechanical & Environment	
Operating Temperature	- 20 °C ~ 75 °C
Storage Temperature	- 25 °C ~ 80 °C
Dimensions	170mm x 110mm ( W x D)

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

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

Others	
RIC : Real Time Clock* 1 (with Battery)	Reset Button*1
Buzzer*1	MIPI CSI 2-lane*1(optional)
Watch Dog Timer	Fan - DC 12V (optional)

Warranty
Warranty period : 1 year

