



REV-SA02

SMARC specification compliant

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- > Display Port, HDMI, LVDS
- > 2 CVBS
- > 1 GLAN
- > 2 COM(RS232), 2 COM(RS485) , 1 USB Double Deck ,
- > 1 USB Pin Header ,1 Mini USB , 1 Mini USB(OTG)
- > 1 mPCIe
- > SD socket, 1 PCIe x1, 1 Mini-PCIe , SIM Socket
- > MIPI CSI
- > Line out , AMIC in , DMIC in , SPK Out
- > GPIO 2X8 , 2 CAN
- > Battery Charger , Power Button , Power LED ,

+ Spec

I/O	
External I/O Connector	2 RCA, 90D 1 RJ45 connector for GBE (with LED) 1 SD Socket , 90D 1 Mini USB , OTG 1 USB 2.0 1 USB Type A 2.0 double deck HDMI Displayport VGA 2 RS232 RST Switch Power Switch Power LED (Green / Yellow) DIP SW
Internal I/O Connector	Camera : FPC ,0.5mm,20p Speaker : speaker connector x2 D-MIC Mini PCIe connector(SATA) Mini PCIe connector(USB) Sim Card GPIO : One 10 x 2, pitch 2.00mm Header I2C : One 1 x 5, pitch 2.00mm Header USB2.0: 1 x 5, pitch 2.00mm Wafer PCIe-1 Battery charger connect LVDS Connect One 20 x 2, pitch 1.25mm Wafer Inverter Connector One 5p, pitch 2.00mm Wafer 2 RS485 : 4p, pitch 2.00mm Wafer 2 CAN : 4p, pitch 2.00mm Wafer WB (reserve)
Camera	Optional MIPI Camera
Audio	
I2C/I2S/HDA Socket	I2C/I2S/HDA Socket for different Audio codec
Audio codec accessory board	Line out/Line in/AMIC , DMIC in interface X86 platform => ALC892 ARM platform => WM8962
Ethernet	
Ethernet Interface	1 RJ45 connector for GBE (with LED)
Mechanical & Environmental	
Power Requirement	DC +12V
Power Type	Power jack with lock
Operating Temp	-40 ~ 85°C
Storage Temp	-40 ~ 85°C
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Dimension (L x W)	170mm x 170mm (Mini ITX Form Factor)

+ Ordering

REV-SA0200A1R-00 , Mini ITX SMARC Carrier Board (A1)