



Features

- 3.5" SBC Form Factor
- Accept Avalue and Other SMARC Compatible CPU Modules. (82 x 50mm)
- HDMI, LVDS, VGA
- Audio Interface
- 1 x Mini-PCIe + SIM Socket
- 2 x CAN BUS
- 2 x Gigabit LAN
- 4 x RS-232, 3 x USB
- 1 x SD Socket
- 1 x SATA
- 1 x I²C RTC
- On-board Accelerometer (MMA8451)
- On-board Battery Charger Support 7.4V/2 Cell Li Battery



RityPOS
LPC Series
SPC Series
FPC Series
PPC Series
APC/BFC Series
UPC Series
MPC Series
OPM Series
AID Series
MTP Series
RISC
Accessory



Specifications

System

System SMARC 1.0 CPU Module Socket, Support Avalue SMA-IMX6 and Future New CPU Modules

Expansion 1 x Mini-PCIe + SIM Socket

I/O

MIO 4 x RS-232 (TX/RX Only)

USB 2 x USB Type A, 1 x USB 2.0 (1 x 5 Pitch 2.0mm Header)

External I/O Connector HDMI
VGA
2 x RJ45
1 x DB9
2 x USB Type A
1 x Mini-USB

Internal I/O Connector LVDS Connector (24-bit Single-channel)
Backlight Connector
SD Socket
1 x USB Connector
2 x CAN BUS Connector
Speaker-out/Mic-in
1 x SATA Connector
1 x RS-232 Connector
1 x GPIO Connector
1 x Battery Connector

Audio

Audio Codec Wolfson WM8962

Audio Interface Mic-in, Speaker-out

Ethernet

Ethernet Connector 2 x RJ-45

Ethernet Interface 10/100/1000 Base-Tx Ethernet Compatible

Ethernet Chip Intel® 82574L

Mechanical & Environmental

Power Input +9V ~ 36V DC-in (REV-SA01-02-A1R)
+9V ~ 24V DC-in (REV-SA01-03-A1R)

Operating Temperature 0 ~ 60°C (32 ~ 140°F)

Storage Temperature -20 ~ 80°C (-4 ~ 167°F)

Operating Humidity 5% ~ 90% Relative Humidity, Non-condensing

Dimensions 146mm x 101mm (3.5" SBC Form Factor)

Weight 0.13kg

Ordering Information

REV-SA01-02-A1R

3.5" SMARC Evaluation Carrier Board w/o Battery Charger and 2nd Gigabit LAN

REV-SA01-03-A1R

3.5" SMARC Evaluation Carrier Board full function