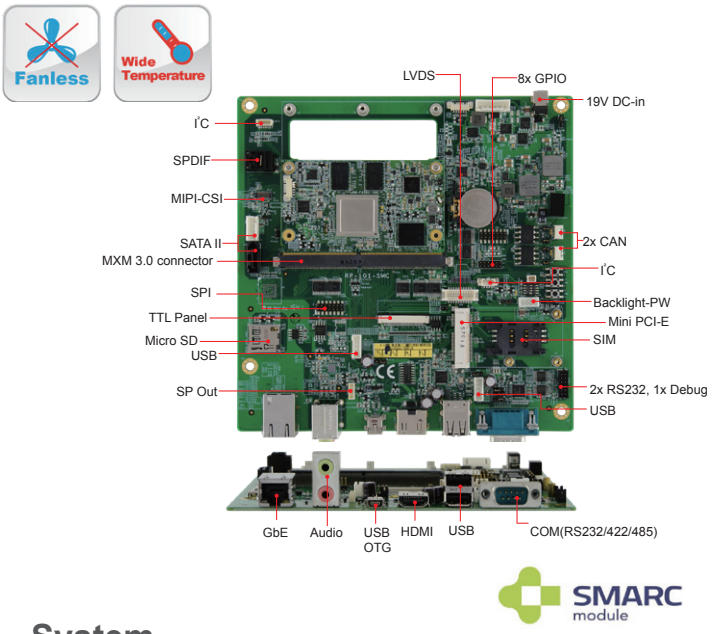
RP-102-SMC

SMARC 1.0 Carrier Board

Carrier Board for SMARC™ Modules



Features

- For SMARC V1.0 modules
- Supports 19V DC-in, reset, power, RTC function
- Supports Gigabit LAN, audio, USB OTG, HDMI, COM (RS232/422/485)
- With Micro SD socket, Mini PCI-E with USB, SIM socket on board
- Supports 2x isolated CAN transceiver, TTL, LVDS, HDMI, MIPI-CSI camera

System

Form Factor	Carrier Board Compliant with SMARC™ V1.0
Edge I/O	1x DC-in Jack (12V) 1x RJ45 GbE LAN 1x Mic+Headphone 2x USB 2.0 host 1x USB OTG 1x HDMI 1x COM (RS232/422/485)
Internal Headers / Connectors	2x CAN bus 2.0B 1x 18/24-bit single CH LVDS 1x 18/24-bit TTL box header 1x LCD DDC (I²C) 1x LCD backlight connector 1x CSI-MIPI 2x USB 2.0 host 8x GPIO pin header 2x RS232 box header 1x SIM socket 1x SPDIF 1x Speaker box header 1x Micro-SD socket 2x I²C 1x SATA II 1x Full-size Mini PCI-E with USB interface
Jumpers, Switch & Buttons	1x Boot media select switch (SD/eMMC) 1x Reset button 1x Power button 1x GPI button 1x RS232/422/485 (by jumper selection) 1x Backlight power jumper
Power Input	19V DC-in
Dimensions	170mm x 170mm (6.7” x 6.7”)
Environment	Humidity: 0% to 90% RH at 60° C (non-condensing) Vibration: Non-operating, 3Hz to 500Hz, 15mins

Operating Temperature	-40° C to +85° C (-40°F~184°F)
OS Support	Depending on the CPU module
Certification	CE/FCC Class A

Ordering Information

RP-102-SMC	RISC Carrier Board for SMARC V1.0 modules,12V DC-in, Mini-ITX 170mmx170mm, 2x CAN, Mini PCI-E with USB, Resistive touch header (4-wire), 2x USB header,1x I²C header, 18/24-bit LVDS,TTL connector, Line in/ Line out, EEROM, CSI MIPI bus, 8x GPIO, 2x RS232,1x RS232/422/485, VDDIO=3.3V