

Application Carrier Board for ARM based SMARC 2.1 Modules

conga-SMC1/SMARC-ARM

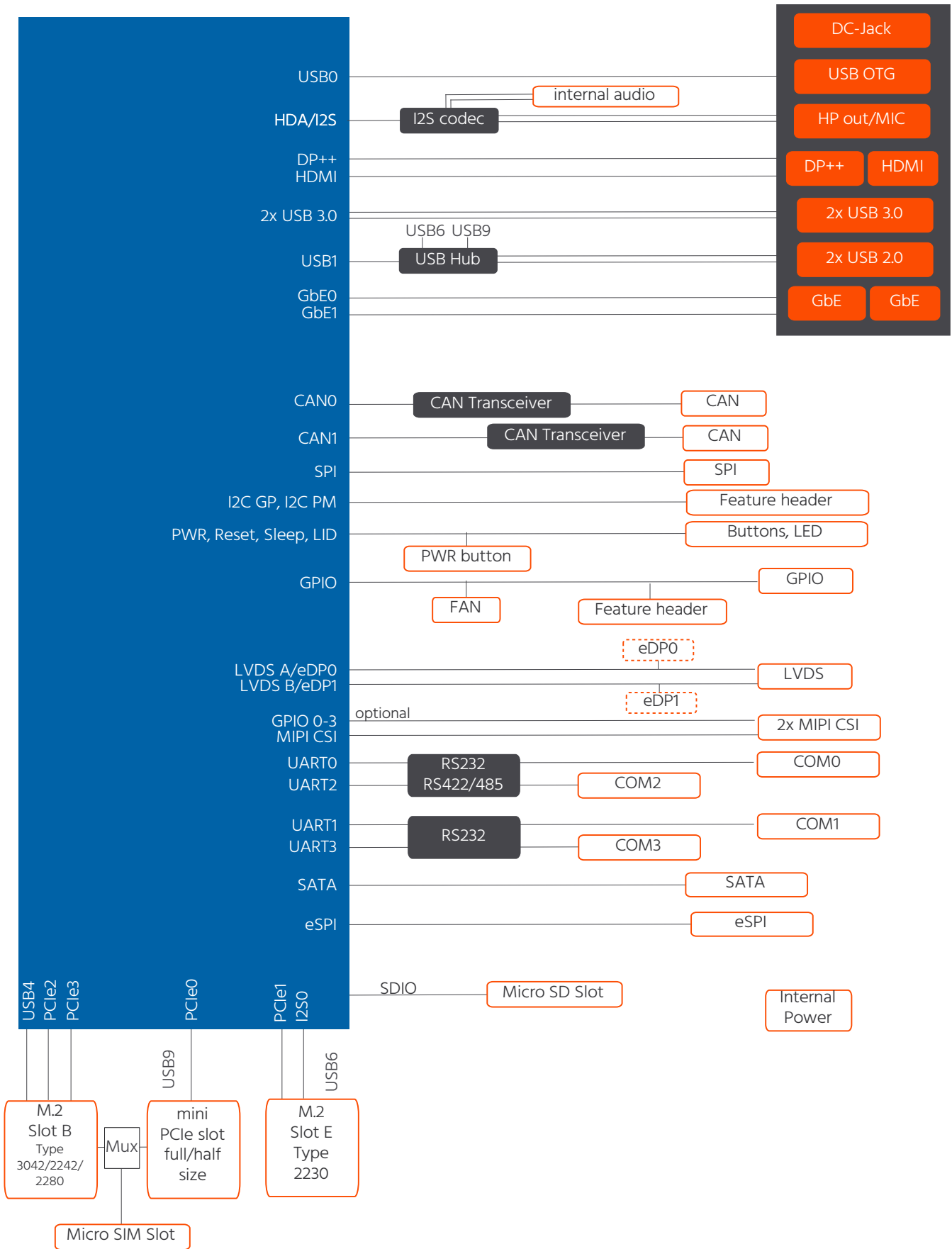


- Compact sized SMARC Carrier Board
- Support of ARM based SMARC 2.1 Modules
- Ready-to-use Carrier Board
- Platform for rapid customizing
- Support of fast implementation and improved Time-To-Market

| | |
|---|--|
| Formfactor | 3.5" Carrier Board |
| Board Variant | Application Carrier Board for ARM based SMARC 2.1 modules |
| Internal Connectors and Features | <ul style="list-style-type: none">1x LVDS 18/24bit single/dual channel LVDS2x optional eDP/DSI (dependent on processor platform)1x LCD backlight (5V and 12V)1x SATA Gen3 (support of SATADOM VCC PIN 7 and PIN 8)1x SATA Power (+5V, +12V)1x mPCIe full/half size (support for PCIe Gen3 and USB 2.0)1x M.2 Type E 2230 (PCIe Gen3, I2S, USB 2.0)1x M.2 Type B 3042/2242/2280 (2x PCIe Gen 3, USB 2.0)2x MIPI-CSI1x Micro SIM (muxed between M.2 Type B and mini PCIe)2x RS 232/422/485 (COM 0 and COM 2 with handshake)2x RS232 (COM 1 and COM3 TX/RX only)2x CAN1x Micro SD card1x GPIO connector (up to 8 GPIO)1x Feature connector (Batlow, Charging, GbE SDP, WD)1x Buttons and LEDs (Power, Reset, Sleep, LID, Power LED, SATA LED)1x Onboard power button1x Onboard power state LED1x SPI/eSPI header1x I2C header1x DMIC and analog front panel audio output1x 12V FAN connector (4-pin)1x RTC backup (CR2032)1x Internal DC-In |
| External Connectors | <ul style="list-style-type: none">2x GbE RJ452x USB 2.01x USB 2.0 OTG2x USB 3.0/3.11x HDMI1x DP++1x Audio Jack 4-pin with I2S audio WM89041x External DC-In (12-24V) |
| Power Specification | External and internal DC-In (12-24V Wide Range Carrier Board Supply) |
| Operating Temperature | Operating Temp.: 0°C ... +60°C Storage Temp.: -20°C ... +70°C |
| Humidity | Operating Hum.: 10% - 90% r. H. non cond. Storage Hum.: 5% - 95% r. H. non cond. |
| Size | 146 x 102 mm (approx. 5.75" x 4.02") |
| Order Information | PN 020750 conga-SMC1/SMARC-ARM |

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conga-SMC1/SMARC-ARM | Block Diagram



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