

Carrier Board for ARM based SMARC 2.0 Modules

conga-SMC1/SMARC-ARM



- Compact sized SMARC 2.0 Carrier Board
- Support of ARM based SMARC 2.0 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	PN 020750 conga-SMC1/SMARC-ARM for ARM based SMARC 2.0 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 (I2S, PCIe Gen3, USB 2.0)1x M.2 Type B 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")

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