

# Application Carrier Board for x86 based SMARC 2.1 Modules

# conga-SMC1/SMARC-x86

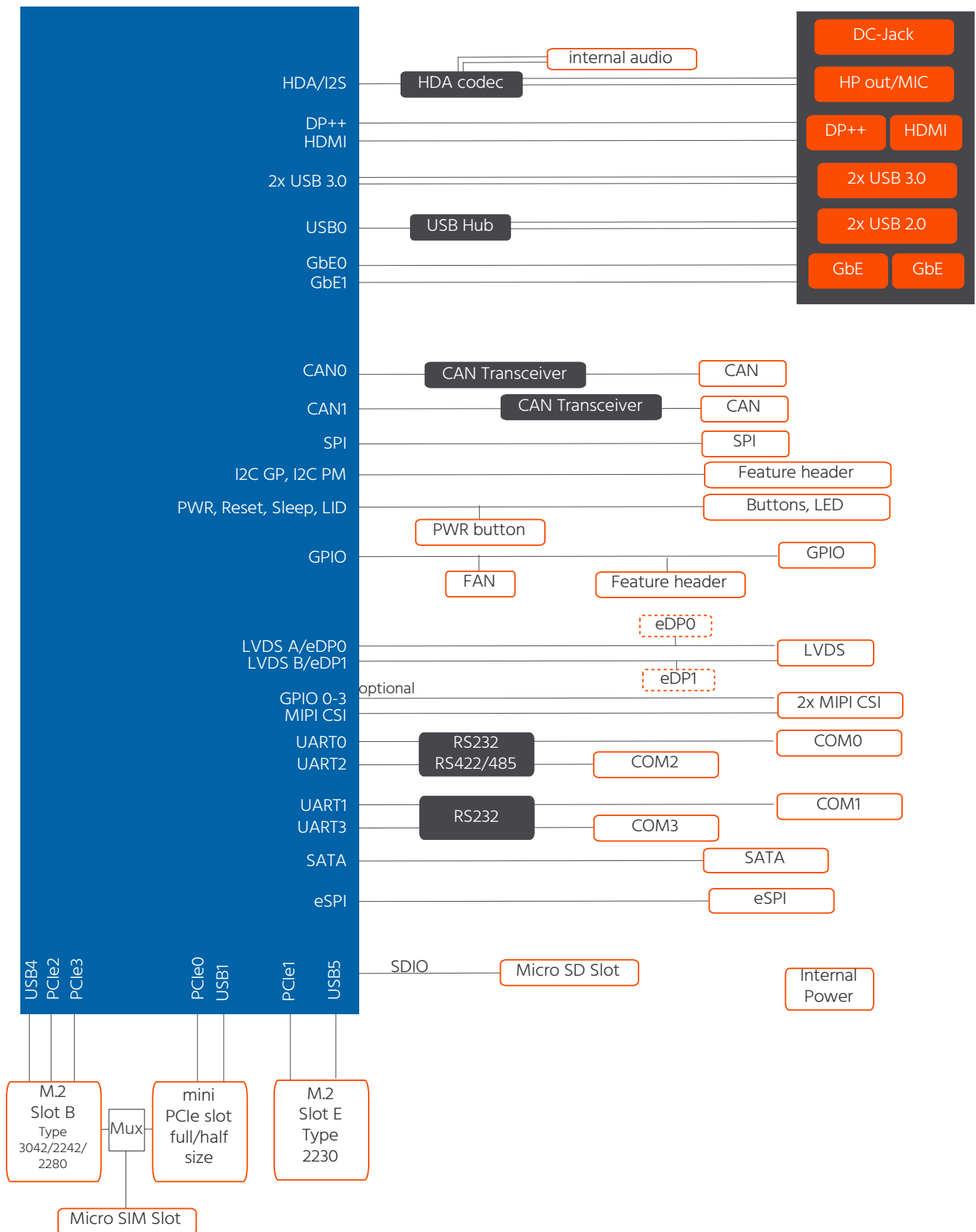


- Compact sized SMARC Carrier Board
- Support of x86 based SMARC 2.1 Modules
- Ready-to-use Carrier Board
- Platform for rapid customizing
- Support of fast implementation and improved Time-To-Market

Formfactor	3.5" Carrier Board	
Board Variant	Application Carrier Board for x86 based SMARC 2.1 modules	
Internal Connectors and Features	<ul style="list-style-type: none"><li>1x LVDS 18/24bit single/dual channel LVDS</li><li>2x optional eDP/DSI (dependent on processor platform)</li><li>1x LCD backlight (5V and 12V)</li><li>1x SATA Gen3 (support of SATADOM VCC PIN 7 and PIN 8)</li><li>1x SATA Power (+5V, +12V)</li><li>1x mPCIe full/half size (support for PCIe Gen3 and USB 2.0)</li><li>1x M.2 Type E 2230 (PCIe Gen3, USB 2.0)</li><li>1x M.2 Type B 3042/2242/2280 (2x PCIe Gen 3, USB 2.0)</li><li>2x MIPI-CSI</li><li>1x Micro SIM (muxed between M.2 Type B and mini PCIe)</li><li>2x RS 232/422/485 (COM 0 and COM 2 with handshake)</li><li>2x RS232 (COM 1 and COM3 TX/RX only)</li><li>2x CAN</li><li>1x Micro SD card</li><li>1x GPIO connector (up to 7 GPIO)</li><li>1x Feature connector (Batlow, Charging, GbE SDP, WD)</li><li>1x Buttons and LEDs (Power, Reset, Sleep, LID, Power LED, SATA LED)</li><li>1x Onboard power button</li><li>1x Onboard power state LED</li><li>1x SPI/eSPI header</li><li>1x I2C header</li><li>1x DMIC and analog front panel audio output</li><li>1x 12V FAN connector (4-pin)</li><li>1x RTC backup (CR2032)</li><li>1x Internal DC-In</li></ul>	
External Connectors	<ul style="list-style-type: none"><li>2x GbE RJ45</li><li>2x USB 2.0</li><li>2x USB 3.0/3.1</li><li>1x HDMI</li><li>1x DP++</li><li>1x Audio Jack 4-pin with HDA audio ALC888S-VD</li><li>1x External DC-In (12-24V)</li></ul>	
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 020751 conga-SMC1/SMARC-x86	

*All data is for information purposes only. Although all the information contained within this document is carefully checked, no guarantee of correctness is implied or expressed. Product names, logos, brands, and other trademarks featured or referred are the property of their respective trademark holders. These trademark holders are not affiliated with congatec AG. Rev. 2020, Oct\_6,*

# conga-SMC1/SMARC-x86 | Block Diagram



All data is for information purposes only. Although all the information contained within this document is carefully checked, no guarantee of correctness is implied or expressed. Product names, logos, brands, and other trademarks featured or referred are the property of their respective trademark holders. These trademark holders are not affiliated with congatec AG. Rev. 2020, Oct\_6,

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[congatec:](#)

[conga-SMC1/SMARC-x86](#)