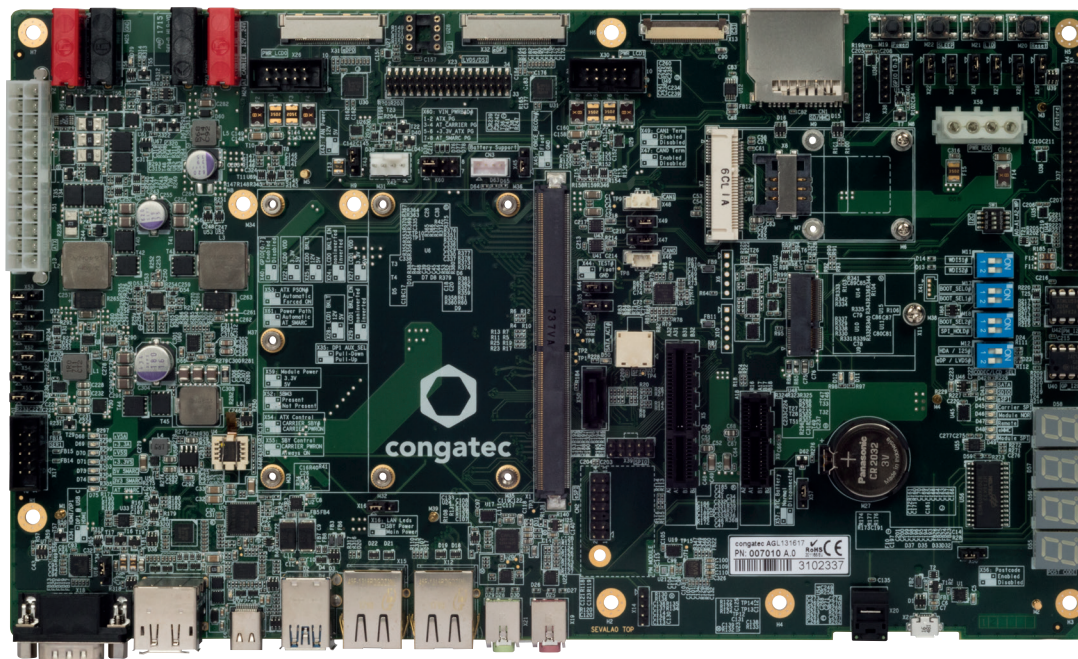


Evaluation Carrier Board for SMARC

conga-SEVAL



Evaluation Carrier Board for SMARC 2.0 modules.
To achieve a quick start with SMARC congatec offers an evaluation carrier board, which routes all the SMARC signals to standard interface connectors.

Ethernet	2x Gigabit Ethernet
Internal connectors	1x PCIe x4 1x miniPCIe 1x PCIe x1 1x M.2 socket Key E 1x SATA 1x USB 3.0 1x USB 2.0 1x micro USB 2.0 (OTG) 1x USB Type C with PD and DP1 via Alternate Mode 2x RS-232 (1x internal RX/TX on pinheader, 1x RX/TX w/ handshake on DSUB9) 2x CAN GPIO 1x SDIO interface 2x I2C Bus 1x eSPI/SPI1 on header 1x SPI Bus 1x FAN control 1x Disk Drive Power Output
Internal Graphic Interface	2x24 bit LVDS connector shared with 2x eDP or 2xDSI
External Graphic Interfaces	1x DP++ 1x HDMI
Camera Interface	2x CSI2
Audio	I2S Audio interface and HDA interface
Buttons and LED's	Power button Reset button Sleep button LID button various indication LEDs
Feature Connector	1x Standard congatec Feature Connector
Postcode	4x 7-Segment Postcode LEDs connected to GP_I2C bus
Temperature	Operating: -40 .. +85°C Storage: -20 .. +80°C
Power Input	ATX Power Supply 12V - 24V Wide Range Carrier Board Supply 3.0V - 5.25V Wide Range Module Supply USB Type C PD (12V - 20V)
Humidity	Operating: 10 - 90% r. H. non cond. Storage: 5 - 95% r. H. non cond.
Size	294 x 172 mm (3.7" x 4.5")

conga-SEVAL | Order Information

Article	PN	Description
conga-SEVAL	007010	Evaluation Carrier Board for SMARC 2.0 modules.

SMARC modules | Order Information

Article	PN	Description
conga-SA5/E3950-8G eMMC32	050000	SMARC 2.0 module with Intel® Atom™ E3950 quad core processor with 1.6GHz core frequency up to 2.0GHz, 2MB L2 cache, 8GB 2133MT/s LPDDR4 onboard memory and 32GB eMMC onboard flash.
conga-SA5/E3940-4G eMMC16	050001	SMARC 2.0 module with Intel® Atom™ E3940 quad core processor with 1.6GHz core frequency up to 1.8GHz, 2MB L2 cache, 4GB 2133MT/s LPDDR4 onboard memory and 16GB eMMC onboard flash.
conga-SA5/E3930-2G eMMC8	050002	SMARC 2.0 module with Intel® Atom™ E3930 dual core processor with 1.3GHz core frequency up to 1.8GHz, 1MB L2 cache, 2GB 2133MT/s LPDDR4 onboard memory and 8GB eMMC onboard flash.
conga-SA5/i-E3950-4G eMMC16	050010	SMARC 2.0 module with Intel® Atom™ E3950 quad core processor with 1.6GHz core frequency up to 2.0GHz, 2MB L2 cache, 8GB 2133MT/s LPDDR4 onboard memory and 16GB eMMC onboard flash. Industrial grade temperature range from -40°C to 85°C.
conga-SA5/i-E3940-4G eMMC16	050011	SMARC 2.0 module with Intel® Atom™ E3940 quad core processor with 1.6GHz core frequency up to 1.8GHz, 2MB L2 cache, 4GB 2133MT/s LPDDR4 onboard memory and 16GB eMMC onboard flash. Industrial grade temperature range from -40°C to 85°C.
conga-SA5/i-E3930-2G eMMC16	050012	SMARC 2.0 module with Intel® Atom™ E3930 dual core processor with 1.3GHz core frequency up to 1.8GHz, 1MB L2 cache, 2GB 2133MT/s LPDDR4 onboard memory and 8GB eMMC onboard flash. Industrial grade temperature range from -40°C to 85°C.
conga-SA5/N3350-4G eMMC16	050022	SMARC 2.0 module with Intel® Celeron™ N3350 dual core processor with 1.1GHz core frequency up to 2.3GHz, 1MB L2 cache, 4GB 2133MT/s LPDDR4 onboard memory and 16GB eMMC onboard flash.
conga-SA5/N4200-8G eMMC32	050023	SMARC 2.0 module with Intel® Pentium® N4200 quad core processor with 1.5GHz core frequency up to 2.50GHz, 2MB L2 cache, 8GB 2133MT/s LPDDR4 onboard memory and 32GB eMMC onboard flash.