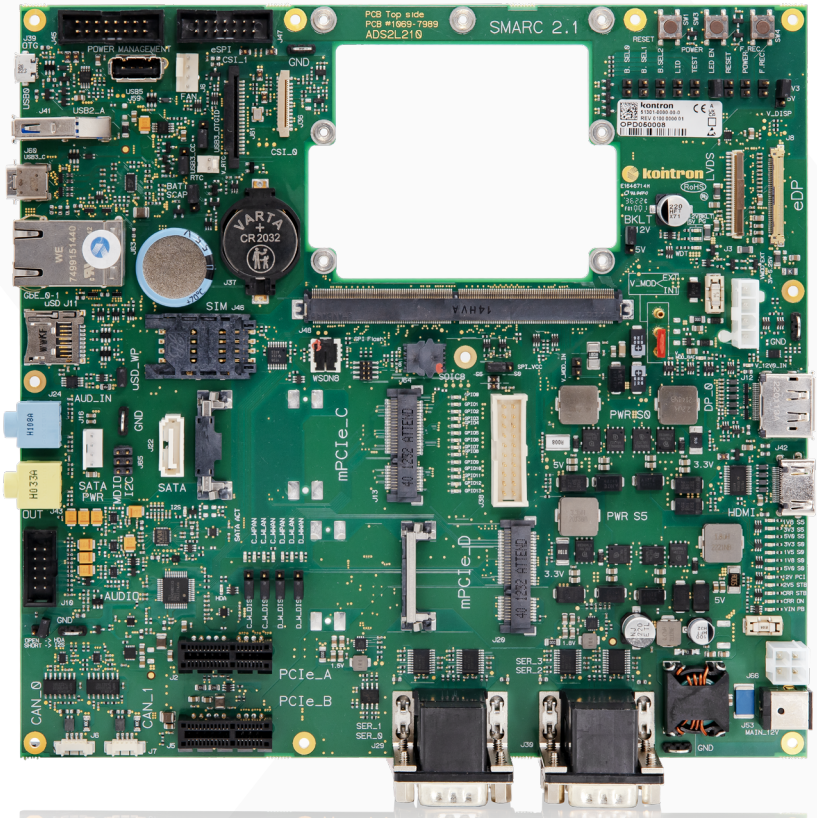
SMARC Evaluation Carrier 2.1



SMARC

SMARC - Smart Mobile Architecture

- Evaluation carrier board for SMARC 2.1 based Computer-on-Modules
- Broad range of interface options for design development flexibility
- Compliant with SMARC 2.1 specification by SGET

SMARC Evaluation Carrier 2.1

The SMARC Evaluation carrier 2.1 is designed to allow embedded application developers to get up and running quickly on the SMARC modular platform, giving them a head start on the total system design. Simply select the SMARC module best suited for your application needs, install the module and you are ready to get started.
The SMARC Evaluation Carrier is compliant with the SMARC 2.1 specification and supports a broad range of interface options dedicated for low power applications including 2x Gigabit Ethernet support, SD-card socket, USB 2.0 and 3.0, mSATA, PCIe and many more.

The implementation of LVDS, HDMI and DP++ allows multimedia applications, that have never been possible on SMARC before. The intelligent audio implementation allows also HDA on X86 and I2S on ARM platforms to be used on the same audio connectors. MIPI CSI camera support as well as 12 GPIOs increase the flexibility for highly sophisticated applications.

Technical Information

SPECIAL FEATURES	2x MIPI CSI camera interface, 2x CAN
I/O FEATURES	4x UARTS, 14x GPIO, 2x miniPCIe with SIM card support, 2x PCIe
ETHERNET	2x GbE ports with integrated magnetics
DISPLAY	Dual Channel LVDS alternative eDP, HDMI, DP++
AUDIO	I2S Audio Codec (for ARM based modules) HDA Audio Codec (for X86 based modules)
USB	1x USB 2.0 OTG, 1x USB 2.0, 1x USB 3.X Type A, 1x USB 3.X Type C, 2x USB connected to mPCIe
STORAGE	1x SATA + SATA Power, SD Card connector
POWER SUPPLY	12 V single supply, optional 3.0 - 5.25 V for module only
PHYSICAL DIMENSIONS	210mm x 200mm
COMPLIANCE SMARC	Accepts SMARC™ 2.1 and 2.0 Modules 82mm x 50mm and 82mm x 80mm

Ordering Information

ARTICLE	PART NO.	DESCRIPTION
SMARC Evaluation Carrier 2.1	51301-0000-00-0	SMARC Evaluation Carrier for SMARC modules according to the SMARC 2.1 standard (without SMARC module)

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