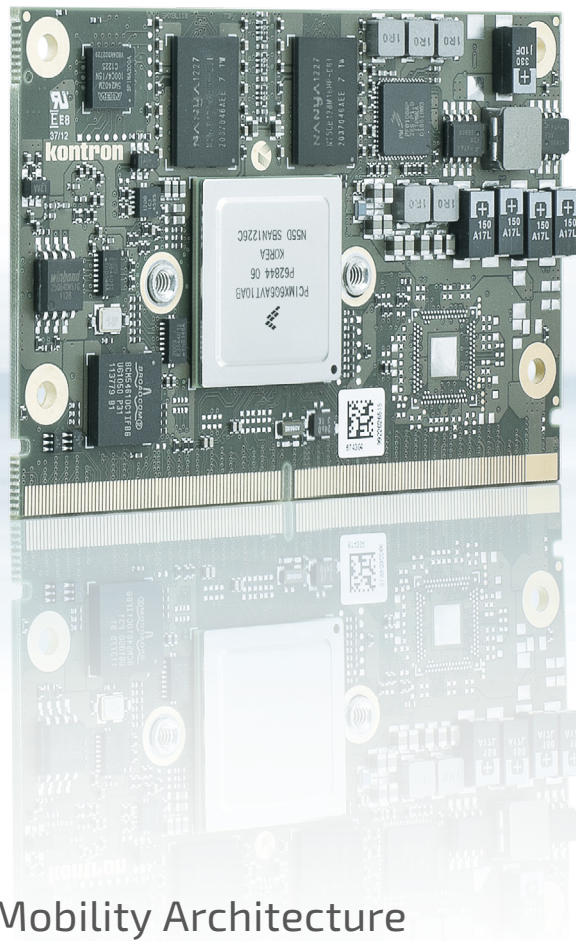


# SMARC-sAMX6i



## SMARC - Smart Mobility Architecture

- ▶ Ultra low power COM based on Freescale™ i.MX6 family
- ▶ SoC scalable from Solo Core up to Quad Core
- ▶ Commercial and industrial temperature versions

POSSIBILITIES START HERE



## ▶ TECHNICAL INFORMATION

<b>PROCESSOR</b>	NXP i.MX 6 Solo, Dual and Quad Core ARM Cortex-A9 800 MHz, 1.0 Ghz, 1.2 GHz
<b>GRAPHICS</b>	Dual Display HD 1080p encode and decode 2D and 3D acceleration
<b>MEMORY</b>	DDR3 up to 2 GByte, memory down
<b>FLASH</b>	Up to 64 GByte NAND/eMMC on-module (Custom Option)
<b>ETHERNET</b>	10/100/1000 Mbit/sec
<b>USB</b>	3x USB 2.0 port (one OTG)
<b>DISPLAY</b>	Parallel LCD 18/24 bit LVDS Single Channel 18/24bit HDMI
<b>IMAGE CAPTURE INTERFACES</b>	2 Interfaces (PCAM, CSI)
<b>SERIAL</b>	2x RX/TX (Ser1/3); 2x UART (Ser0/2)
<b>ADDITIONAL INTERFACES</b>	Up to 3 PCIe x1, MLB150, 12x GPIOs, SDIO, SATA eMMC, 2x SPI, 5x I <sup>2</sup> C, 2x I <sup>2</sup> S, SPDIF, WDT, 2x CAN, Battery and System Management
<b>SW SUPPORT</b>	Linux
<b>POWER</b>	tbd
<b>THERMAL</b>	Commercial temperature: 0 °C to +60 °C and Industrial temperature: -40 °C to 85 °C (800 MHz versions)
<b>POWER SUPPLY</b>	3 V to 5.25 V - Operates directly from single level Lithium Ion cells, or fixed 3.3 V or 5 V power supplies
<b>COMPLIANCE</b>	Form Factor: 82 x 50 mm Compliance: SMARC (Smart Mobility Architecture) specification by SGET

## ▶ ORDERING INFORMATION

ARTICLE*	PART NO.	DESCRIPTION
SMARC-SAMX6I 0.8 512/4 GB	51003-0540-08-1	SMARC with NXP i.MX6 Solo, 800 MHz single core, 512 MByte DRAM memory down, 4 GByte onboard Flash, industrial temperature, no SATA support
SMARC-SAMX6I 2X0.8 1/4 GB	51003-1040-08-2	SMARC with NXP i.MX6 Dual, 800 MHz dual core, 1 GByte DRAM memory down, 4 GByte onboard Flash, industrial temperature, with SATA support
SMARC-SAMX6I 4X0.8 1/4 GB	51003-1040-08-4	SMARC with NXP i.MX6 Quad, 800 MHz quad core, 1 GByte DRAM memory down, 4 GByte onboard Flash, industrial temperature, with SATA support
SMARC-SAMX6I 4X0.8 2/2 GB	51003-2040-08-4	SMARC with NXP i.MX6 Quad, 800 MHz quad core, 2 GByte DRAM memory down, 4 GByte onboard Flash, industrial temperature, with SATA support

\*Please ask for more SoC or memory configurations.

## ▶ GLOBAL HEADQUARTERS

### Kontron Europe GmbH

Gutenbergstraße 2  
85737 Ismaning, Germany  
Tel.: +49 821 4086-0  
Fax: +49 821 4086-111  
info@kontron.com

[www.kontron.com](http://www.kontron.com)