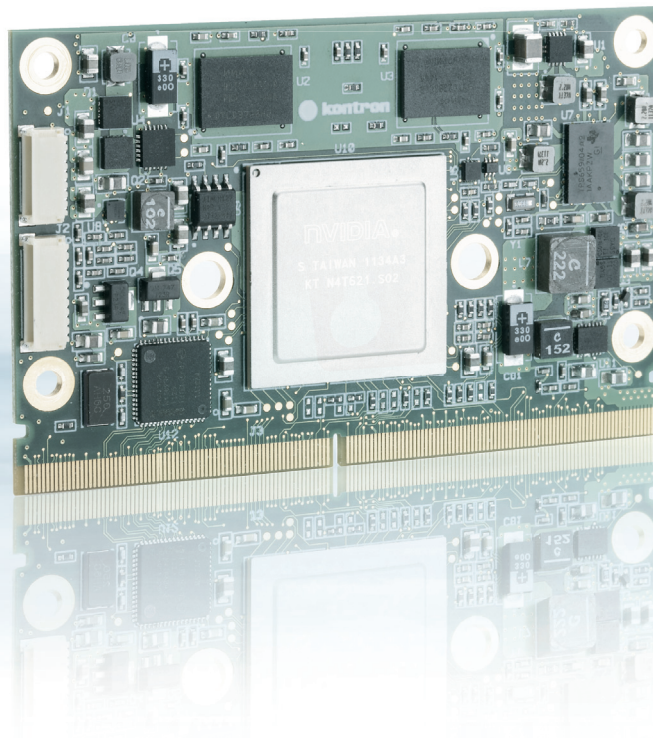


# SMARC-sAT30

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SMARC - SMART MOBILITY ARCHITECTURE  
EXCEPTIONAL GRAPHICS PERFORMANCE FOR  
SLIM EMBEDDED SOLUTIONS

- ▶ scalable ultra low power ARM COM
- ▶ based on NVIDIA® Tegra® 3 ARM technology (1.2 GHz)
- ▶ constructed to withstand harsh industrial environments

POSSIBILITIES START HERE



## ▶ TECHNICAL INFORMATION

<b>PROCESSOR</b>	NVIDIA® Tegra® 3 (KeL-AI), Quad Core™ ARM Cortex A9 1.2GHz
<b>GRAPHICS</b>	Dual Displays HD Video Decode, including MPEG2 HD Video Encode 2D and 3D acceleration GPU ULP GeForce / 12 cores
<b>MEMORY</b>	DDR3, 1 or 2GB, down
<b>FLASH</b>	16GB NAND/eMMC FLASH on module, up to 64GB (custom option)
<b>ETHERNET</b>	10/100/1000 Mbit/sec
<b>USB</b>	USB 2.0 3 ports (one OTG)
<b>DISPLAY</b>	Parallel LCD 18 / 24 bit LVDS Single Channel 18 bit / 24 bit - 18 bit compatible Support for dual channel 24 bit LVDS (Carrier board xmitter) HDMI
<b>IMAGE CAPTURE INTERFACES</b>	2x Camera Ports CSI-2, dual lane
<b>ADDITIONAL INTERFACES</b>	PCIe Gen 1 x1 lane width, 2 links plus support signals SATA, SD Card, eMMC, SPI (x2), I2C (x5), I2S (x3), UART (x4), GPIO (x12), SPDIF, WDT, Battery and System Management
<b>SW SUPPORT</b>	Android ICS Linux
<b>POWER</b>	5 Watts typical
<b>THERMAL</b>	Operating temperature: 0°C to 60°C; Industrial temperature version later this year
<b>POWER SUPPLY</b>	3V to 5.25V - Operates directly from single level Lithium Ion cells, or fixed 3.3V or 5V 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-SAT30 4X 1.2GHX 1GB	51001-1016-12-4	SMARC with NVIDIA® T30 4x 1.2GHz, with 1GB memory down
SMARC-SAT30 4X 1.2GHX 2GB	51001-2016-12-4	SMARC with NVIDIA® T30 4x 1.2GHz, with 2GB memory down

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