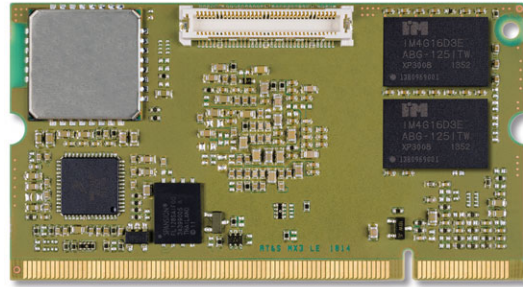
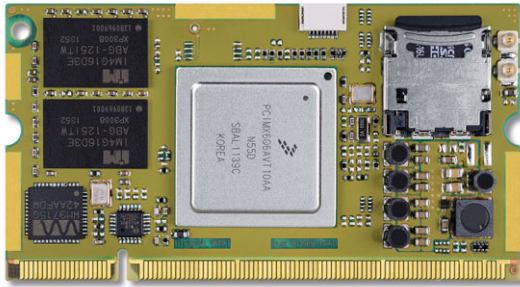


Trizeps VII

NXP i.MX 6 SODIMM-200 CPU-Module

Keith & Koep

- Compact and scaleable
- Same form factor for Solo-, DualLite-, Dual- and Quad-Core versions
- Trizeps SODIMM-200 compatible
- Additional highspeed-functions with the new board-to-board connector
- Dual antenna +18dBm WiFi / BT
- Audio codec and ethernet transceiver
- 64 Bit RAM
- Evaluation-Kits available



Variable Features

Processor	NXP i.MX 6 ARM Cortex A9, MP-CPU, 800 MHz up to 1.0 GHz per Core, 1 MB L2 Cache Options: Quad (Q), Dual (D), DualLite (U) or Solo (S)
RAM Memory	4x 16 Bit DDR3-1066 (533 MHz), 64 Bit 1 CS Options: 256 MByte up to 2 GByte, 64 Bit
Flash Storage	Onboard 4 Bit wide μ SD Socket (standard) or onboard 8 Bit wide eMMC (on request) – not all available at the same time / additional assembly option on request: onboard SPI NOR Flash Options: μ SD 4 GB (option up to 32 GB) – eMMC-Type: 4 GB (option up to 64 GB) – NOR Flash up to 512 Mbit
Wireless Communication	Onboard WLAN-Bluetooth module, fits four different U-Blox module types (on request) Options: IEEE 802.11 a/b/g/n/e/i/h/d/k/r/w, +18 dBm, 72 Mbps (20 MHz) and up to 150 Mbps (40 MHz), Bluetooth 3.0+ EDR

Onboard Features

Display Interfaces	HDMI v1.4, 2x LVDS, LCD 24 Bit RGB, MIPI (supports 3D, 4k x 2k and 2x 1080p Displays)
Interfaces	USB2.0 Host and OTG, 2x FlexCAN, S-ATAII, PCIe, 2x 4 Bit wide SDIO, RTC, SPDIF, Adress-Data-Bus, 3x UARTs, 2x I2C, 2x SPI, GPIOs, 2x PWMs
Ethernet	Onboard 10/100 Mbit RMII PHY and 10/100/1000 Mbit RGMII interfaces (can not be used at the same time)
Extension Connector	Additional FX11 60pol. high-speed board to board connector
Camera Interfaces	8bit parallel camera and MIPI serial camera (supports 2 x cameras at the same time)
Audio Codec	AC'97 Audio Codec with 4/5 wires res. Touch and 4x 12 Bit ADC (2x comparator inputs for battery monitoring). Stereo: Line-in, Mic-in, Speaker-out, Headphone out
Power	High-Eff. PMIC with single supply controlled by I2C
SODIMM200 Card Edge Connector	Pin compatible to Trizeps IV, IV-M, IV-WL, V and VI Modules

General Details

System Software	E-Boot, U-Boot, Barebox, UEFI / Windows 10 IoT Core, Windows Embedded Compact 7, 2013 – Linux Kernel 3.035, 4.1, 4.4 – Ubuntu 14.04, 16.04, LXDE, Yocto – Android 4.2.2, 6.0
Voltage Supply	+3V3 DC
Operating Temperature	-40°C to +85°C industrial, -20°C to +85°C extended consumer, 0°C to +70°C consumer
Board Dimensions	67.6 x 36.7 x 6.4 mm (incl. μ SD Socket)
Environmental Standard	RoHS, REACH, WEEE
Availability	10 years form, fit, function*



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*beginning product life circle
Technical modifications reserved, errors excepted

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