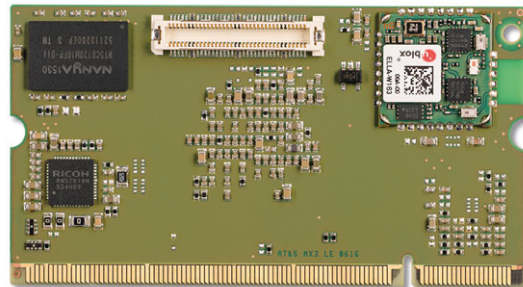


Trizeps VII SX

NXP i.MX 6SoloX SODIMM-200 CPU-Module

Keith & Koep

- Compact and scaleable
- Trizeps SODIMM-200 compatible
- 2 Ethernet interfaces at the same time
- Low Power and Battery charging option
- Dual antenna +18dBm WiFi / BT
- Audio codec and Ethernet PHY
- Evaluation-Kits available



Variable Features

Processor	NXP i.MX 6SoloX ARM Cortex A9 and Cortex M4, 800 MHz up to 1.0 GHz, 256 KB L2-Cache
RAM Memory	2x 16 Bit LVDDR3-1066 (533 MHz), 32 Bit 1 CS Options: 256 MByte up to 2 GByte, 32 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	LVDS, LCD 24 Bit RGB
Interfaces	USB 2.0 Host and OTG, 2x FlexCAN, PCIe, 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 interface (can be used at the same time)
Extension Connector	Additional FX11 60pol. high-speed board to board connector
Camera Interfaces	8bit parallel camera and analog camera interface
Audio Codec	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, battery management (optional)
SODIMM200 Card Edge Connector	Pin compatible to Trizeps IV, IV-M, IV-WL, V, VI and VII Modules

General Details

Operating Systems	Microsoft Windows Embedded Compact 7, 2013 / Linux, Android
Voltage Supply	+3V3 DC (SODIMM) or +5V DC and battery (FX11)
Operating Temperature	-40°C to +85°C industrial
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 Rev.0316
Technical modifications reserved, errors excepted