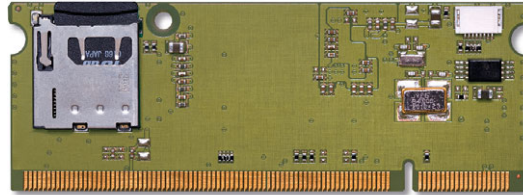
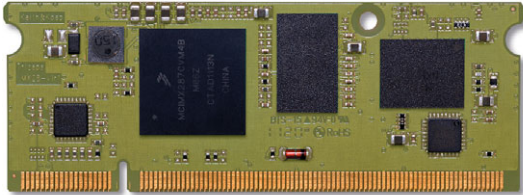


Trizeps MX28

Freescale™ i.MX28 SODIMM-200 CPU-Module

Keith & Koep

- Very compact entry-level product
- Low power module
- Trizeps SODIMM-200 compatible
- Onboard microSD
- 2x FlexCAN and 2x Ethernet



Variable Features

Processor	Low Power Freescale™ i.MX28x CPU, 454MHz Options: i.MX287, i.MX283
RAM Memory	DDR2-RAM Options: 128 MB (256 MB on request)
Flash Storage	Onboard 4 Bit wide μSD Socket, onboard NAND-Flash (on request) Options: μSD Socket for Cards up to 32 GB, NAND-Flash-Type: 512MB (on request)

Onboard Features

Display Interfaces	LCD 24 Bit RGB (WVGA: 800x480)
Interfaces	USB2.0 Host and OTG, 2x FlexCAN, RTC, SPDIF, Adress-Data-Bus, 5x UARTs, 4 x SSP (Synchronous Serial Port), 2x I2C, 2x SPI, GPIOs, 2x PWMs
Ethernet	Onboard 10/100 Mbit RMII PHY and second 10/100 Mbit interface
Audio Codec	i2S Audio Codec SGLT5000 with 4 wires res. Touch, 4x 32-bit timers and rotary decoder, 8 General Purpose 12-bit ADC channels and single 2 Msps ADC channel
Power	High-Eff. PMU with on-chip DC/DC, supports Li-Ion batteries incl. charging
SODIMM200 Card Edge Connector	Pin compatible to Trizeps III, IV, IV-M, IV-WL, V and VI Modules

General Details

Operating Systems	Microsoft Windows Embedded CE 6.0 R3, Compact 7, Linux on request
Voltage Supply	+3V3 DC (5V on request)
Operating Temperature	-40°C to +85°C industrial (Temperature sensor for thermal protection)
Board Dimensions	67.6 x 25 x 6.4 mm (incl. μSD Socket)
Environmental Standard	RoHS, REACH, WEEE
Availability	10 years form, fit, function*



www.keith-koep.com

*beginning product life circle
Technical modifications reserved, errors excepted

Rev.0715

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