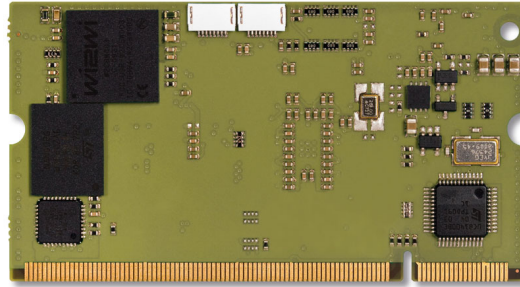
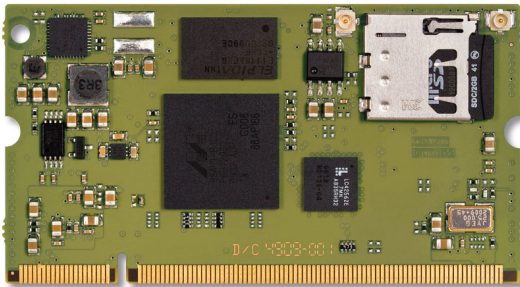


Trizeps VI

Marvell® XScale PXA166 SODIMM-200 CPU-Module

Keith & Koep

- Compact and full scaleable
- Trizeps SODIMM-200 compatible
- Dual antenna +15dBm WiFi / BT (on request)
- Audio codec and ethernet transceiver
- CPLD (with 128 or 256 Macrocells)
- Additional µSD Card Socket
- Evaluation-Kits available



Variable Features

Processor	Marvell® XScale PXA16x ARMADA-100 Sheeva Core Options: PXA166 @ 800MHz or PXA168 @ 1.1GHz (on request)
RAM Memory	16 Bit DDR2-1066 / 800 Options: 128MByte or 256MByte
Flash Storage	Onboard 8 Bit wide NAND-Flash and onboard 4 Bit wide µSD Socket NAND-Flash-Type: 256 MB or 512MB, µSD Socket: for Cards up to 32 GB
Wireless Communication	Onboard WLAN-Bluetooth module with Micro Accesspoint possibility (on request) Options: IEEE 802.11 b/g, +15dBm, Bluetooth 2.0+ EDR

Onboard Features

Display Interfaces	LCD 24 Bit RGB (WUXGA: 1920x1200)
Interfaces	USB2.0 Host and OTG, PCIe, 3 x UARTs, 2x 4 Bit wide SDIO, Address-Data-Bus (CPLD), I2C, SPI, GPIOs, PWMs
Ethernet	Onboard 10/100 MBit Ethernet PHY
Camera Interfaces	8bit parallel camera
Audio Codec	AC'97 Audio Codec with 4/5 wires res. Touch and 4 x 12 Bit ADC (2 x comparator inputs for battery monitoring)
Power	High-Eff. Switch-mode core voltage regulator with single +3V3 supply or by Li-Ion cells directly
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
Voltage Supply	+3V3 DC
Operating Temperature	0 °C ... 70 °C commercial / -20 °C ... +85 °C industrial / -20 °C ... +75 °C WiFi unit
Board Dimensions	67.6 x 36.7 x 6.4 mm (incl. µSD Socket)
Environmental Standard	RoHS, REACH, WEEE
Availability	10 years form, fit, function* EOL (End Of Life) for Trizeps VI with PXA168 (1100 MHz). Please contact us for more information. NOT affected are Trizeps VI with PXA166 (800 MHz).



www.keith-koep.com

*beginning product life circle
Technical modifications reserved, errors excepted

Rev.1805

Keith & Koep GmbH
Uellendahler Str. 199
42109 Wuppertal

Tel +49 (202) 25253 0
Fax +49 (202) 25253 33