



# Trizeps VI

XScale PXA168 1,1 GHz  
CPU Module  
SO-DIMM 200

## Preliminary Product Brief March 2010, V1.23

- Marvell's new ARMADA-100 Sheeva Core w. PXA168 @ 1,1GHz or PXA166 @ 800MHz
- 128MB or 256MB DDR2-RAM (512MB possible when DDR2 @ 4Gb available)
- 256 MB and 512MB NAND-Flash
- 1 x Micro SD Socket on board ( storage enhancement up to 32GB with uSDHC-cards possible.)
- LCD support up to WUXGA (1920x1200), 12/16/18 and 24bpp active or passive color panels.
- 1 x USB 2.0 Highspeed Host
- 1 x USB 2.0 Highspeed OTG (Host+Slave)
- WLAN 802.11b/g (with Micro Accesspoint possibility)
- 100/10 MBit Ethernet.
- Bluetooth v2.0 + EDR
- 3 Serial Interfaces (UART)
- 2 x SD/MMC/SDIO card interface, 4Bit wide
- 4-in-1 card reader (xD-memory, MMC, SD, Memory Stick)
- Compact Flash card interface
- Camera Interface
- SPI, I2C, PWM
- CPLD (128 or 256 Macrocells)
- Single Voltage Supply 3.3V or by Li-Ion cells directly
- High efficiency switch-mode core voltage regulator with dynamic core voltage support
- 20 Bit Stereo, low-noise design, programmable sampling rates, headphone out
- Line input stereo and Microphone input (mono) for electret-capacitor microphones
- 4-wire resistive touch interface
- 4 x 10 Bit ADC
- DDR-SODIMM-200 connector (eg. AMP 1473005-1) compatible Trizeps-III, Trizeps-IV, Trizeps-IV-WL and Trizeps-V series
- Operating Temperature 0C..70C

<b>Order code</b>	t.b.d.
<b>Board-Dimensions</b>	67.6 mm x 36.7 mm x t.b.d mm, t.b.d gr. (incl. Ethernet and SD Socket)
<b>Current-Supply</b>	3.3 V DC, average power consumption: 1,1 GHz, 100% CPU load: t.b.d. 1,1 GHz, 3% CPU load: t.b.d. suspend current: t.b.d.
<b>Operating Systems</b>	Microsoft Windows Embedded CE 6.0