

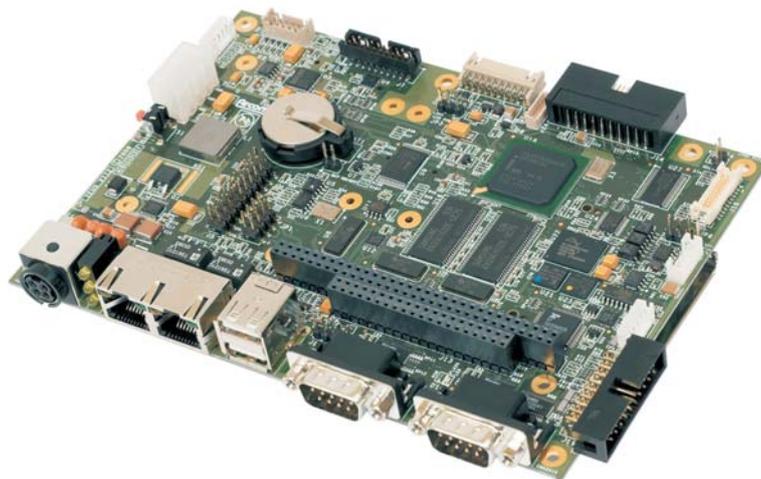
Features

Features:

- Marvell's XScale® 520MHz PXA270 RISC processor
- Ultra-low power EPIC size single board computer
- Flat panel graphics controller
- Wireless and GPS functionality

Supported Operating Systems:

- Windows® CE 5.0
- Linux



The ZEUS is an ultra-low power EPIC size single board computer based on Marvell's 520MHz PXA270 XScale RISC processor. The PXA270 is an implementation of the ARM compliant, Intel XScale microarchitecture combined with a comprehensive set of integrated peripherals including, a flat panel graphics controller, USB host/client controller, interrupt controller and multiple serial ports. The ZEUS also includes a site for a variety of wireless modems and a GPS receiver.

The ZEUS provides a cost effective solution for a wide range of applications including asset monitoring and tracking, vehicle tracking, mobile terminals, network communication controllers.

Technical Specifications

PROCESSOR	520MHz PXA270 XScale® (-20°C to +70°C)
	416MHz PXA270 XScale® (-40°C to +85°C)
SUPPORTED OS	Windows CE 5.0 and Linux
MEMORY	Up to 256MB of soldered SDRAM
	Up to 64MB of soldered AMD MirrorBit Flash
	256kB of battery backed SRAM (using onboard battery)
EXPANSION	16-bit PC/104, CompactFlash+ (I/O), expansion sites for wireless modems and GPS receivers
GRAPHICS	TFT/STN/LVDS flat panel support up to 640 x 480 x 16-bit colour
AUDIO	AC97 audio controller (WM9712L)
USB PORTS	Dual USB 1.1 host ports (USB client option on second port)
ETHERNET	Dual 10/100baseTx Ethernet controllers (Davicom DM9000A)
SERIAL PORTS	2 x RS232, 1 x RS232/422/485, 1 x RS422/485
	1 x cellular modem expansion port
	1 x GPS receiver expansion port
	1 x IEEE802.15.4/ZigBee expansion port
PC PERIPHERALS	Battery-backed RTC, DMA controller, interrupt controller, interval timer, watchdog timer
TOUCHSCREEN	4 or 5-wire touchscreen controller
REAL TIME CLOCK	Accuracy +/- 1 minute/month @ 25°C
DRIVE SUPPORT	CompactFlash (CF+), SD/SDIO/MMC & resident AMD MirrorBit Flash
CANbus	Microchip MCP2515 - CAN 2.0B controller & opto-isolated transceiver
GENERAL PURPOSE I/O	16 buffered digital I/O, Intel Quick Capture Camera Interface
HUMIDITY	10% to 90% RH (non-condensing)
POWER SUPPLY	400mA (typical) @ +5V +/-5%
	10 to 30V DC/DC input (optional)
	2W (typical) power consumption, 100mW sleep mode
DIMENSIONS	EPIC format 6.5" x 4.5" (165mm x 115mm)
OPERATING TEMPERATURE	Commercial: -20°C to +70°C
	Industrial: -40°C to +85°C

About EUROTECH

EUROTECH delivers embedded computer systems for high capability and low power applications, networking and wearable computing solutions, and application framework middleware for multimedia, industrial, transportation, medical, and wireless applications. EUROTECH platforms allow OEM and enterprise customers to focus on their core revenue-generating products and services and get to market quickly.

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