



FEATURES

- Compact and battery operated
- Comprehensive I/O on a single board
- An expandable, scalable engine
- Graphics galore including LCD to XGA and touchscreen interface
- Operating System options: from Windows CE to Linux
- Power and power management

The BitsyXb delivers low power in a small form factor and at a low cost with proven success in a wide range of vertical markets. The BitsyXb, based on the Marvell PXA270, offers a rich set of graphics, communications, and I/O capabilities. The BitsyXb can be used as a stand-alone single board computer or can be integrated with a standard or custom adapter board for further feature expansions, including Power over Ethernet. The Bitsy Xb is designed as low-cost, application-ready platform that can reduce the product-to-market cycle from years to several months. To date, the Bitsy family of embedded computers from Eurotech Inc. has been quickly and readily “reconfigured” to satisfy dozens of application requirements.

Eurotech’s quick-turn capabilities are based on a world class engineering house with expertise in quickly and successfully reconfiguring systems using a deep reserve of hardware and software device technologies.

PROCESSOR	32-bit Marvell PXA270 RISC processor at 520 MHz
GRAPHICS/VIDEO	Video interface up to SVGA (800x600) color LCD interface (driven by the PXA270) Backlight connector with PWM + ON/OFF controlled by software 4 or 5 wire resistive touchscreen
AUDIO	AC'97, 16 bit stereo Codec
MEMORY	Program/Frame Buffer SDRAM to 128 Mbytes Flash Memory to 64 (Synchronous) Mbytes (32 asynchronous) One PCMCIA (Type II, also available for devices such as Ethernet, 802.11, etc.
OPERATING ENVIRONMENTS	Windows CE 6.0 Linux Others (contact factory for all options)
COMPREHENSIVE COMMUNICATIONS	One USB host port, one USB function port (personality board required for connectors) Three Serial Ports 10 digital I/Os SPI port I2C bus with I2C master controller ADSmartIO, 9 configurable input/outputs Support for PS2 keyboard (with personality board) - optional Support for external interrupt inputs Expansion slot (header) with 16 address and 11 data lines
PERIPHERALS	Real Time Clock Software controlled LED status indicator
DIMENSIONS / POWER REQUIREMENTS	3" x 5" 5V or 6 - 16V input <1W in operation Complete and partitioned on-board power supply
ADAPTER BOARD EXPANDABILITY	Compact Flash slot (Type II connector) Ethernet 10/100bT Power over Ethernet

*Specifications and features subject to change without notice
See our website for latest updates and more information
www.eurotech-inc.com

About Us

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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