Design comprehensive embedded applications with the TurboXb Module knowing that Eurotech will help to minimize risk, cost, and time to market. Based on the Marvell PXA270 processor, the TurboXb Module from Eurotech leapfrogs your project beyond the challenges, expenses, and time expenditures common to new designs. The TurboXb Module delivers processing power, memory, and I/O in a small form factor with low power consumption, making it a versatile embedded board for a range of markets such as medical, industrial, and hand-held.

The TurboXb Module is mounts to an Adapter board that can be a standard design or customized by Eurotech or another third party. The adapter board allows for further customization to bring application-specific connectors and interfaces to the foreground such as USB, keyboard support, or serial port interfaces. With Eurotech and the TurboXb Module, OEMs can deliver low power, low cost solutions to ensure market success.

- Robust XScale PXA270 implementation
- Comprehensive I/O interface support
- Access provided for complete bus, I/O, display and audio
- Customized or off-the-shelf Adapter Board options
- Low standby current and efficient active power profile
- Certified support for Windows/CE and Linux
- Fully RoHS compliant
## TurboXb Module

### Specifications*

| PROCESSOR                        | 32-bit Marvell PXA270 processor  
|                                 | Clock rates from 104 MHz to 520 MHz  
|                                 | Voltage and frequency scaling  
| GRAPHICS/VIDEO                   | 24-bit color LCD video interface  
|                                 | Video resolution up to SVGA (800x600)  
|                                 | Four-wire analog-resistive touch panel interface with backlight controller  
| AUDIO                            | AC'97 Codec  
| MEMORY                           | Up to 128 MB DDR SDRAM  
|                                 | Up to 64 MB of Flash  
|                                 | SD/MMC interface (connector available on adapter board)  
| COMMUNICATIONS/INTERFACES        | Support for 1x 10/100base-T Ethernet (RJ45 connector available on adapter board)  
|                                 | Support for 1x USB 1.1 host port (low/full speed with connector available on adapter board)  
|                                 | Support for 1x USB 1.1 function port (low/full speed with connector available on adapter board)  
|                                 | 3 RS-232 serial ports (9/3/5-wire)  
|                                 | 1x I2C interface  
|                                 | 1x SSP interface  
| PHYSICAL                         | Module dimensions 2.65 x 2.36 inches (68x60 mm)  
|                                 | Commercial temp. range 0° to 70° C/Extended temp. range -40° to 80° C  
|                                 | RoHS compliant  
| OTHER FEATURES                   | Battery-backed RTC  
| ADAPTER BOARD EXPANDABILITY      | Video interfaces for 24-bit color LCD to SVGA  
|                                 | Audio speaker microphone input  
|                                 | Stereo line input  
|                                 | Stereo headphone output  
|                                 | CompactFlash Type I and II interfaces  

*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.

TurboXb is a trademark of Eurotech Inc.  
Other trademarks are property of their respective holders.