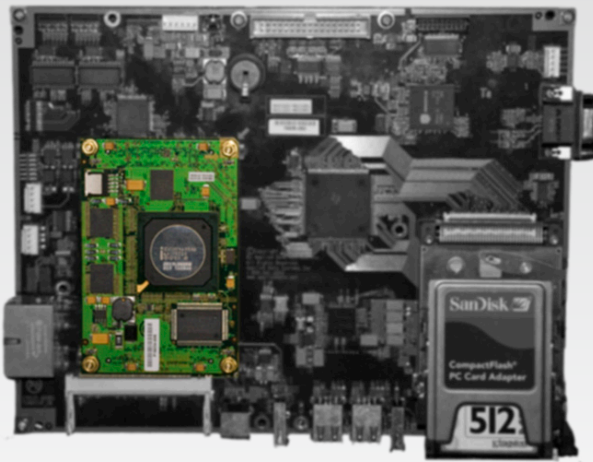# TurboIXP Module

High-performance embedded system with Intel® IXP465 RISC Network Processor

TurboIXP Module mounted on adapter board

TurboIXP Module

FEATURES

- Powerful Intel® IXP465 RISC network processor

- IEEE 1588 for precision clock synchronization

- Comprehensive communications options for networked applications

- Full-featured adapter board expandability options for comprehensive graphics and I/O

Bring your embedded system products to market quickly with high-performance processing power and comprehensive communications flexibility with the TurboIXP. The TurboIXP is a robust, low-power embedded computer-on-module, based on the Intel® IXP465 network processor. With rich functionality in a small form factor including support for IEEE1588 protocol, the TurboIXP module is the ideal solution for a wide array of embedded applications including networking and process control. With Eurotech's unique customization capabilities, the TurboIXP module can be readily integrated with a range of custom adapter boards to bring out connectors and add additional system dimensions to meet customers' precise product requirements.

The integrated design of Intel IXP465 contains a wide range of built-in communications interfaces and is ideal for reducing system costs and development time. Systems are low power-draw and low price, often less than 50 percent of the cost of a comparable Pentium M system. For applications requiring performance, reliability, and flexibility, the TurboIXP offers an ideal platform to get to market quickly with a unique solution.

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TurboIXP Module

Specifications*

PROCESSOR	32-bit Intel IXP465 RISC processor up to 667MHz
MEMORY	128 MB of 32-bit, DDRI-266 (supported up to 256MB) 32 MB of Flash Memory (supported up to 64 MB)
OPERATING ENVIRONMENTS	Windows CE
COMMUNICATIONS/EXTERNALS/INTERFACES	One 32-bit PCI v. 2.2 interface One 3.3V serial port One RS-232/3.3V serial port Support for two 10/100BASE-T Ethernet interfaces Support for one USB 2.0 host port (low/full speeds) Support for one USB 1.1 function port (low/full speeds) IEEE 1588 One Synchronous Serial Protocol (SSP) interface One I2C interface
PHYSICAL/OTHER	Processor module dimensions 4 x 2.7 inches (102 x 68 mm) RoHS compliant Commercial temperature 0° to 70° Extended temperature -40° to 85° C
ADAPTER BOARD EXPANDABILITY	Analog RGB (DB-15), 24-bit LVDS, and RGB565 Video resolution up to SXGA Backlight connector with PWM + ON/OFF controlled by software 4-wire or 5-wire analog resistive touchscreen interface One CompactFlash interface One Card bus Two HSS interfaces AC97 Codec with speakers, stereo headphone, stereo line in, mono microphone Two PCMCIA interfaces (Type II) Mini PCI for PCI bus expansion Two CAN (2.0b) interfaces Two 10/100BASE-T Ethernet interfaces with RJ-45 connectors Five USB 2.0 host ports (low/full/high speeds) with Type A connector One USB 1.1 function port (low/full speed) with Type B connector Eight GPIOs

*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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