



WIND RIVER

- Intel® Atom™ Z5xx processor in a PC/104+ form factor
- High performance x86 compatibility in a fanless design
- Atmel Trusted Platform Module device
- 20-channel GPS receiver
- Microsoft Windows® XP Embedded, CE or Wind River Linux 3.0 available

**The ISIS processor board from Eurotech provides all the benefits of Intel® architecture in a PC/104+ form factor.** Consisting of a Eurotech Catalyst processor module and carrier board, the ISIS offers high-performance x86-compatibility in a fanless design that requires only a fraction of the power previously needed for comparable systems.

ISIS offers a full range of on board peripherals including 8 x USB 2.0 ports, VGA, LVDS, HD-Audio, RS232/422/485, Ethernet, GPIO and IDE. Expansion requirements are well covered by a combination of PC/104 (ISA), PC/104+ (PCI), and PCIExpress Mini Card interfaces, so that interfacing to real-world I/O or the latest wireless technology is easy. Needing less than 5W of power and running at 1.6GHz, the ISIS has all the functionality and connectivity previously associated with much larger and more power-hungry systems. The ISIS comes with up to 1GB of DDR2 RAM and 4GB of soldered-down Flash for security and durability. Further solid-state Flash expansion is available via an SDIO socket.

Windows® XP Embedded, CE and Wind River Linux 3.0 are all fully compatible and available for the ISIS pre-installed. This unique offering simplifies your development by delivering a stable operating system platform right out of the box.

# ISIS

## Specifications\*

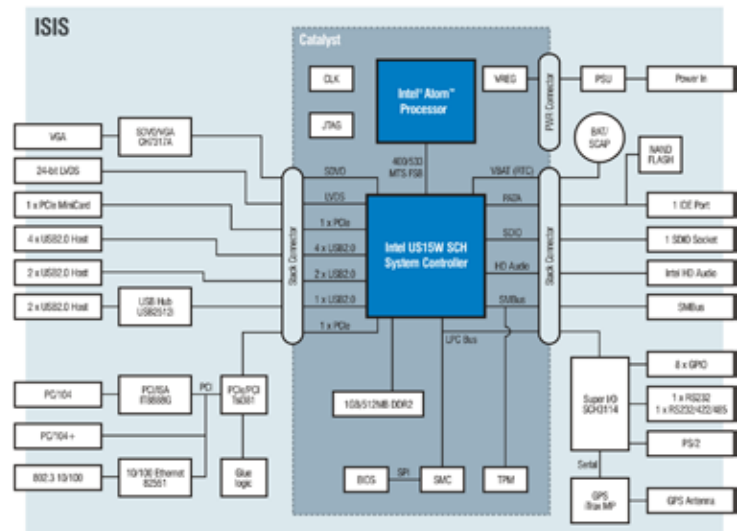
PROCESSOR	Intel® Atom™ Z5xx processor up to 1.6 GHz Intel® System Controller Hub US15W (Intel® SCH US15W)
GRAPHICS/VIDEO	VGA interface Single-channel LVDS 18/24-bit interface
AUDIO	Intel® High Definition Audio digital interface
MEMORY	533Mhz DDR-2 up to 1GB On-board PATA Flash up to 4GB
OPERATING ENVIRONMENTS	Windows® XP Embedded, CE Wind River Linux 3.0 Specific RTOS support (call for details)
EXPANSION BUSES	PC/104+ (PCI 32-bit) PC/104 (ISA 16-bit) PCI Express Mini Card socket SDIO socket (4-bit) I2C/SMBus
COMMUNICATIONS AND I/O	8x USB 2.0 host ports (low/full/high speeds) 1x 10/100BASE-T Ethernet port 8x GPIO 4x high speed serial ports o 2 x user accessible ports (RS232/485/422 & RS232) o 2 x port used to connect to onboard GPS receiver PS/2 keyboard and mouse support iTrax300 20-channel GPS receiver with full Position/Velocity/Time functionality (optional) Atmel Trusted Platform Module device, TCG v1.2 compatible (Option)
PHYSICAL/OTHER	Catalyst Module dimensions 2.8 x 3.9 inches (67 x 100 mm) ISIS Carrier dimensions 3.5 x 3.8 inches (90 x 96 mm) Power consumption 4W – 4.5W average per typical application Commercial Temperature: 0/+70°C Industrial Temperature: -40/+85°C (contact sales for availability) Supercap or external battery for RTC backup

\*Specifications and features subject to change without notice.  
See our website for latest updates and more information  
[www.eurotech-inc.com](http://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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