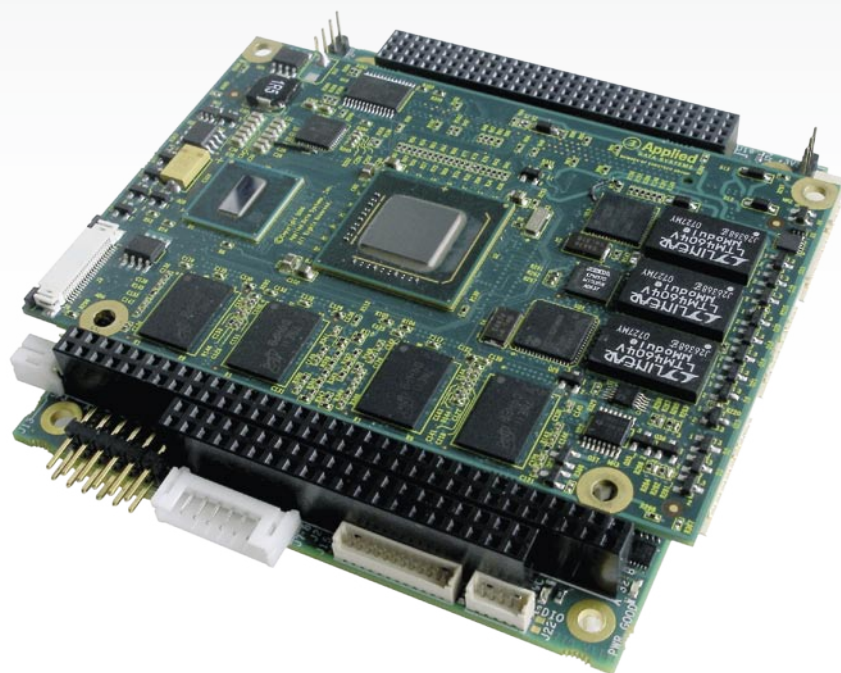


### Features

- Intel® Atom™ 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, Embedded CE 6.0, Vista or Linux available



**The ISIS processor board from Eurotech provides all the benefits of Intel's new Atom LPIA architecture in a PC/104+ form factor.**

Comprising 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.

A full range of on board peripherals are provided 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, so 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.

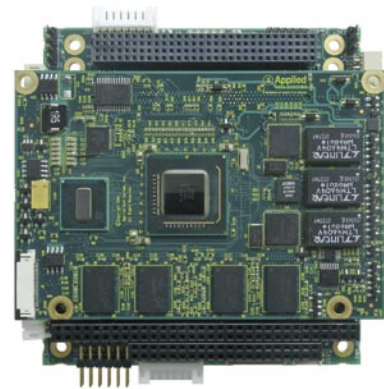
The ISIS comes with up to 1GB of DDR2 RAM and 4GB of soldered-down Flash for security and durability. Further solidstate Flash expansion is available via an SDIO socket.

Windows XP Embedded, Windows Vista, Windows Embedded CE 6.0 and Linux are all fully compatible and available for the ISIS pre-installed. This unique offering enables you to concentrate purely on developing your application code rather than waste time and resources developing a stable operating system platform first.



## Technical Specifications

<b>PROCESSOR</b>	Intel® Atom™ Processor options (13mm x 14mm BGA) 1.6GHz (2.3W) 1.1GHz (2W)	<b>SUPER-IO</b>	SMSC SCH3114 SuperIO Device GPIO 3 High speed serial ports 16C550 compatible - 2 x user accessible ports (RS232/RS485/RS422 and RS232) - 1 x port used to connect to onboard GPS receiver
<b>CHIPSET</b>	System Controller Hub US15W (22mm x 22mm BGA) 2.3W (industrial temperature)	<b>IDE SUPPORT</b>	Parallel ATA interface - single channel (Master/Slave)
<b>MEMORY</b>	System Memory: DDR2 SDRAM Up to 1GB (400/533 MHz) Flash: 2GB or 4GB solid state drive (NAND Flash on board)	<b>GPS RECEIVER</b>	iTrax300 20-channel GPS receiver with full Position/ Velocity/Time functionality
<b>BIOS</b>	InsydeH2O SPI Flash (Proprietary)	<b>DIMENSIONS</b>	ISIS carrier board PC/104+ form factor, 96mm x 90mm ISIS processor module 100mm x 67mm
<b>TPM</b>	Atmel Trusted Platform Module Device, TCG v1.2 compatible	<b>OPERATING TEMPERATURE</b>	Commercial: 0°C to +70°C Industrial: -40°C to +85°C (contact sales for availability)
<b>TEST SUPPORT</b>	JTAG Interface (Intel XDP)		
<b>STACKING CONNECTORS</b>	High Density Board to Board Connector supporting: Video Ports (LVDS, SDVO) Intel High Definition Audio I/O Connectivity (8 x USB 2.0, 2 x PCIe (x1), LPC, PATA) Power connector		
<b>EXPANSION BUSES</b>	PC/104+ (PCI 32-bit) PC/104 (ISA 16-bit) PCI Express Mini Card socket SDIO socket (4-bit) I2C/SMBus		
<b>GRAPHICS</b>	VGA interface Single-channel LVDS 24-bit interface		
<b>AUDIO</b>	HD Audio digital interface		
<b>USB SUPPORT</b>	USB 2.0 supporting low/full/high speed modes 8 x user accessible ports (on pin headers)		
<b>ETHERNET</b>	1 x Fast Ethernet port supporting 10/100 BaseT		



## 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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