

ISIS DEVELOPMENT KIT - Preliminary

SPECIFICATIONS*

Processor and Chipset

- Intel ATOM processor:
 - Z530 processor: 1.6GHz TDP: 2W or
 - Z510 processor: 1.1GHz TDP: 2W
- Intel System Controller Hub US15W TDP: 2.3W.

System Memory

- DDR2 SDRAM: up to 1GB (400/533 MHz)

BIOS

- InsydeH2O
- SPI Flash (proprietary)

TPM

- Atmel Trusted Platform Module device, TCG v1.2 compatible

Operating System Support

- Windows XP
- Windows XPe/WEP
- Windows CE
- Linux

Expansion Buses

- PC/104-Plus (32-bit PCI)
- PC/104 (16-bit ISA)
- PCI Express Mini Card socket
- SDIO socket (4-bit)
- I²C/SMBus

Flash Memory

- 2GB or 4GB PATA solid state drive
- On-board NAND Flash

IDE Support

- Single channel Parallel ATA interface (master/slave)

GPS Receiver

- ITrax300 GPS receiver with full position/velocity/time functionality (20 tracking channels)

ISIS-Breakout Board

- Power Supply
 - +12V operation (Power brick supply input)
 - On/off button
 - Power LED
 - On-board coin cell battery for RTC backup
- Serial Port
 - One full RS-232 port (COM1). Used to interface to the TSC1 by default
 - One software selectable RS232/422/485 port (COM3).
 - USB
 - Four user accessible USB 2.0 ports on USB type A connectors
- Ethernet
 - One 10/100 BaseT Ethernet port on RJ45 socket with LED indication

- Graphics
 - Analog VGA interface
- Legacy
 - PS/2 keyboard and mouse support
 - PC beeper

ISIS-HDA Board

- Audio
 - 5.1 surround sound on standard Mic/Line in/Line out 3.5mm jack connectors

Display Set

- Flat Panel Display: 8.4 inch LVDS 24bit FPD (800 x 600 pixels)
- +5V operation FPD inverter
- 8.4 inch 4 wire resistive touchscreen
- Eurotech TSC1 RS232 touchscreen controller

Development Kit Contents

- Perspex base mounted with the ISIS, Breakout, and Audio boards
- Perspex panel mounted with the 8.4" flat panel display, inverter, and TSC1
- All interconnecting cables
- 12V output power brick supply
- US, UK or European power cord
- Touchscreen Stylus
- Eurotech ISIS development kit DVD
- 1GB USB memory stick
- COM1/COM3 breakout cable



*subject to change
CMM4512 Feb2009