

## Main Features

- Low Power ETX CPU Module
- On-board Intel® Atom™ N270 Processor, 1.6GHz
- Intel® 945GSE Chipset
- Support DDR2 400/ 533 SO-DIMM up to 2GB
- Realtek RTL8111C Gbe LAN Controller with 10/ 100 Interface
- High Definition Audio ALC888 with AC 97 Interface
- Support LVDS Interface
- Support SDVO Interface

## Specifications

### CPU Support

- Onboard Intel® Atom™ N270 1.6GHz processor

### Chipset

- Intel® 945GSE and ICH7M chipsets

### Main Memory

- Support one un-buffered non-ECC DDR2 SO-DIMM 400/533 up to 2GB

### BIOS

- Award system BIOS
- Advanced Power Management support
- 8M SPI ROM

### Display

- Intel® 945GSE integrated graphics solution with dynamic video memory allocation
- Analog monitor resolution up to 1600 x 1200 @ 85Hz
- Support single or dual channel 18-bit LVDS panel
- SDVO signal down to connector X6

### On-board Super I/O

- Winbond W83627

### On-board LAN

- Realtek RTL8111C LAN controller
- Support PXE LAN boot function
- 10/100 Ethernet signals down to I/O board

### On-board Audio

- High Definition Audio Realtek ALC888
- Support Mic-in/ Line-in/ Line-out

### Other Interfaces

- On-board 2x SATA
- On-board IDE controller for secondary IDE interface
- On-board PCI to ISA controller to support ISA interface

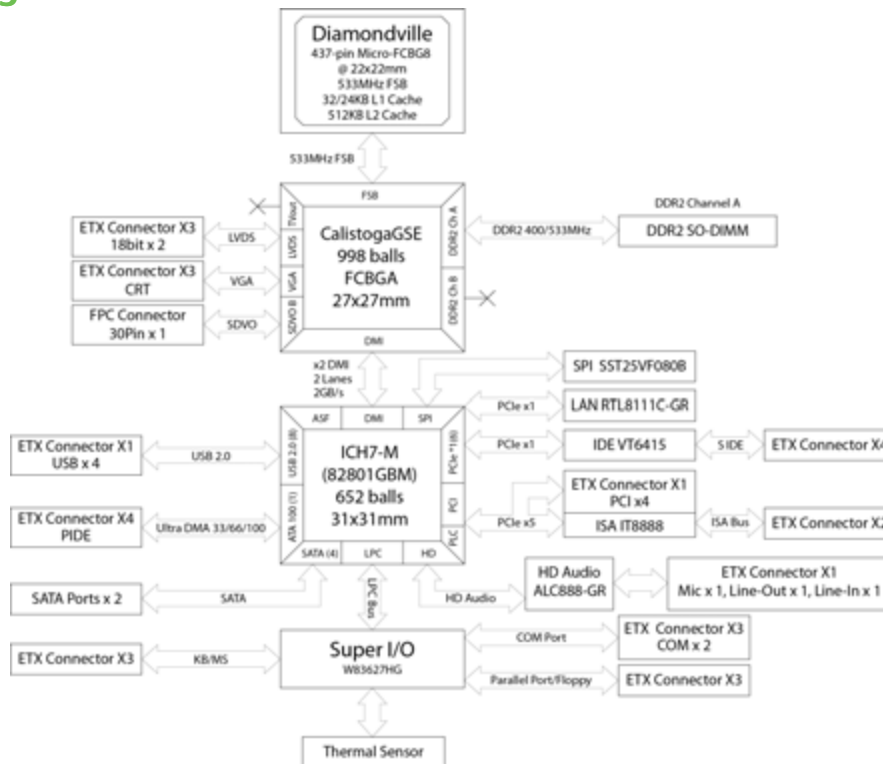
### ETX Connector

- X 1 connector  
4x 32bit/ 33MHz PCI  
Mic-in/ Line-in/ Line-out  
4x USB 2.0
- X 2 connector  
ISA interface
- X 3 connector  
1x VGA  
1x LVDS  
1x Parallel port or 1 x Floppy  
1x KB/Mouse  
2x Serial ports  
1x IrDA
- X 4 connector  
2x IDE  
1x 10/100 LAN interface  
SM bus or I<sup>2</sup>C bus

### Power Requirements

- +5V and +5VSB (for ATX)
- Support both AT and ATX power mode

## Block Diagram



### Dimensions

- 95mm (W) x 114mm (L)

### Environment

- Operating temperature: 0°C to 60°C
- Storage temperature: -20°C to 80°C
- Relative humidity:
  - Operating 10% - 90%, non-condensing
  - Non-operating 5% - 95% (non-condensing)

### Certifications

- CE approval
- FCC Class A

## Ordering Information

### ♦ ICES 170 (P/N: 10K00017000X0)

ETX Module with Intel® Atom™ N270/ 945GSE/ DDR2, audio/ COM/ LPT/ USB 2.0/ LAN interface

### ♦ ICEB 3205 (P/N: 10KB0320503X0)

ETX evaluation board with PCI/ PC104/ CF/ IDE/ COM/ USB/ LVDS/ VGA/ LAN