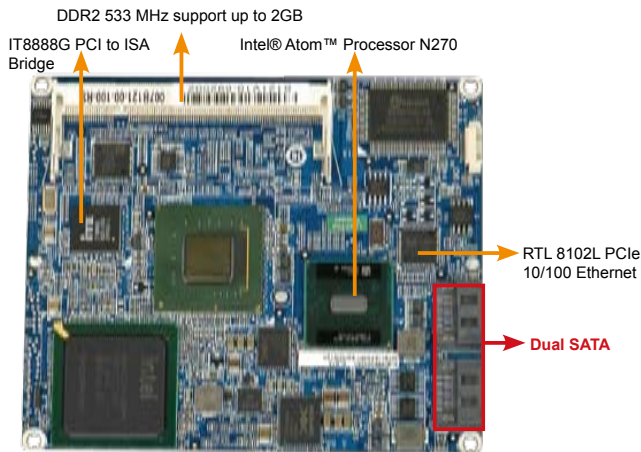


IEM-945GSE

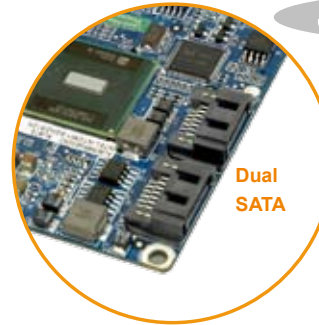
ETX 3.0 CPU Module with Intel® Atom™ Processor, VGA/LVDS, LAN, SATA, USB and Audio



ETX 3.0

Ship with Heat spreader only

IEM-945GSE ETX 3.0 Module with IEM-DB-7S ETX Base board



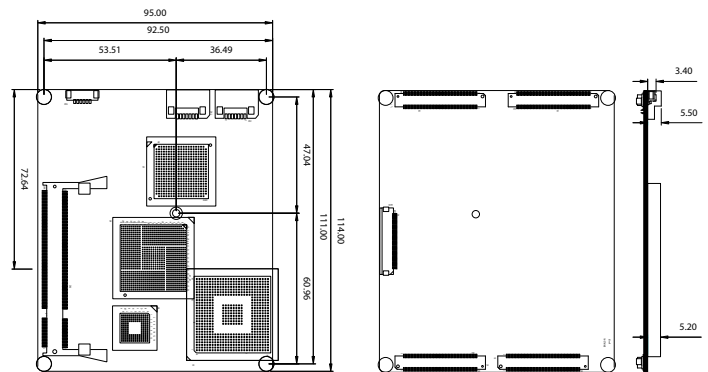
Specifications

- ◆ CPU
Intel® Atom™ Processor N270 1.6 GHz with 533 MHz FSB
- ◆ System Chipset
Intel® 945GSE + Intel® 82801GBM/ICH7M
- ◆ BIOS
AMI
- ◆ System Memory
One 200-pin 533/400MHz DDR2 SO-DIMM supported (system max. 2GB)
- ◆ Ethernet
One 10/100Mbps realtek RTL8102E Ethernet chipset (PCIe Interface)
- ◆ Super I/O
ITE IT8718
- ◆ I/O Interface
4 x USB 2.0 (to Base Board)
2 x SATA (on CPU module)
1 x IDE (to base board)
1 x LPT (to base board)
2 x RS-232 (to base board)
1 x PS2 KB/MS (to base board)
- ◆ Expansions
4 x PCI, 32 bit / 33 MHz PCI bus to base board
ISA support by ITE IT8888G
- ◆ Display Interface
VGA/TV-Out Integrated in Intel® 945GSE signal (to base board)
18-bit Dual channel LVDS Signal (to base board)
- ◆ Watchdog Timer
Software programmable supports 1 ~255 sec. system reset
- ◆ Power Supply
AT / ATX supported
- ◆ Power Consumption
5V@2.9A (Intel® Atom™ Processor N270 with 1GB DDR2)
- ◆ Temperature
Operation: 0°C ~ 60°C (IEM-945GSE-N270-R10)
Operation: -40°C ~ 85°C (IEM-945GSE-N270W2-R10)
Operation: -20°C ~ 70°C (IEM-945GSE-N270W-R10)
- ◆ Humidity
Operation: 5% ~95% non-condensing
- ◆ Dimensions
115 mm x 95 mm
- ◆ Weight
GW: 600g / NW 250g

Features

1. ETX 3.0 CPU module with on board dual SATA-150 ports
2. Support 4x PCI, 1x ISA slot for expansion
3. Support dual display for VGA + LVDS
4. Support 4 x USB2.0, 2 x SATA, 1 x IDE Interface

Mechanical drawing



Packing List

1 x IEM-945GSE single board computer
1 x Heatspreader
1 x Utility CD
1 x QIG

Ordering Information

Part No.	Description
IEM-945GSE-N270-R10	ETX 3.0 module with Intel® Atom™ Processor N270 1.6G, VGA/LVDS, LAN, USB, SATA and audio
IEM-945GSE-N270W2-R10	ETX 3.0 module with Intel® Atom™ Processor N270 1.6G, VGA/LVDS, LAN, USB, SATA and audio, -40~85°C
IEM-945GSE-N270W-R10	ETX 3.0 module with Intel® Atom™ Processor N270 1.6G, VGA/LVDS, LAN, USB, SATA and audio, -20~70°C
IEM-DB-7S-RS-R30	ATX size 7 slots ETX baseboard
34000-000180-RS	Heatsink for ETX 3.0 module