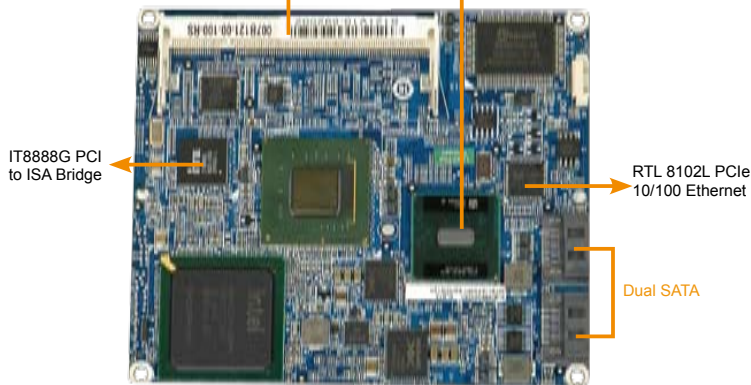


IEM-945GSE

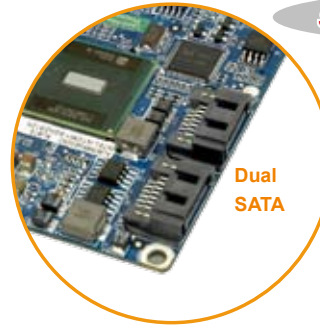
ETX 3.0 CPU Module with Intel® Atom™ Processor, VGA/LVDS, LAN, SATA, USB and Audio



DDR2 533 MHz support up to 2GB Intel® Atom™ Processor N270



ETX 3.0



Ship with Heat spreader only

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



Solder Side



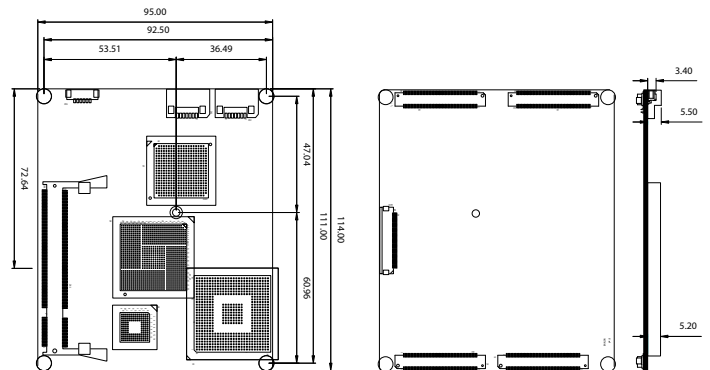
Specifications

- ◆ 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 (32°F ~ 140°F)
- ◆ 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-DB-7S-RS-R30	ATX size 7 slots ETX Baseboard
34000-000180-RS	Heatsink for ETX 3.0 Module

1
Industrial
Computing
Solutions

2
Embedded
Computing
Solutions

3
RISC-Based
Embedded
Solutions

4
Industrial
Data
Collector/
Server
Solutions

5
Video
Capture
Solutions

6
I/O
Communication
Solutions

7
Panel
Solutions

8
Power Supply/
Network
Communication/
Peripherals