IEM-945GSE-N270-R11

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

DDR2 533 MHz support up to 2GB
IT8888G PCI to ISA Bridge
Intel® Atom™ processor N270
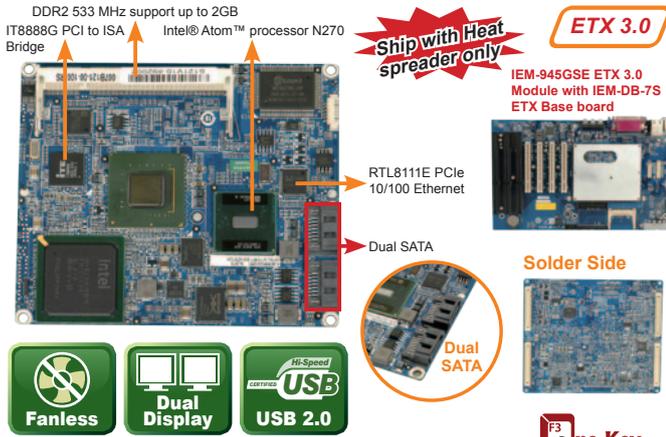
Ship with Heat spreader only

ETX 3.0

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

RTL8111E PCIe 10/100 Ethernet

Dual SATA

Solder Side

Dual SATA

Fanless · **Dual Display** · **Hi-Speed USB CERTIFIED USB 2.0**

F3 One Key Recovery iEi symantec.

Features

1. ETX 3.0 CPU module with on-board two SATA 1.5Gb/s ports
2. Support four PCI, one ISA slot for expansion
3. Support dual display for VGA + LVDS
4. Support four USB 2.0, two SATA, one IDE interface
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

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 RTL8111E Ethernet chipset (PCIe interface)
◆ **Super I/O**
ITE IT8718
◆ **I/O Interface**
4 x USB 2.0 (to baseboard)
2 x RS-232 (to baseboard)
2 x SATA (on CPU module)
1 x IDE (to baseboard)
1 x LPT (to baseboard)
1 x PS2 KB/MS (to baseboard)

◆ **Expansions**
4 x PCI, 32-bit 33MHz PCI bus to baseboard ISA supported by ITE IT8888G
◆ **Display Interface**
VGA/TV-Out integrated in Intel® 945GSE (to baseboard)
18-bit dual-channel LVDS signal (to baseboard)
◆ **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)
◆ **Operating Temperature**
0°C ~ 60°C (IEM-945GSE-N270-R11)
◆ **Operating Humidity**
5% ~ 95%, non-condensing
◆ **Dimensions**
95 mm x 114 mm
◆ **Weight**
GW: 600g/NW: 250g

Dimensions (mm)
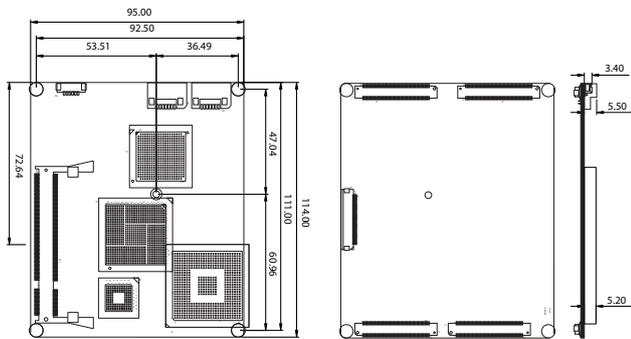
Packing List

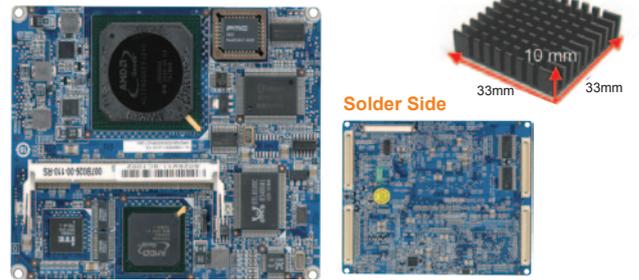|		
1 x IEM-945GSE single board computer	1 x One Key Recovery CD	
1 x Heatspreader	1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
IEM-945GSE-N270-R11	ETX 3.0 module with Intel® Atom™ processor N270 1.6G, VGA/LVDS, LAN, USB, SATA and audio
34000-000244-RS	Heatsink for IEM-945GSE
IEM-DB-7S-RS-R30	ATX size 7 slots ETX baseboard

IEM-LX-800-R11

AMD Geode™ LX 800 Highly Integrated ETX Module

## ETX CPU Module with on-board AMD Geode™ LX 800, USB 2.0, LAN & Audio

ETX 2.8

10 mm
33mm   33mm

Solder Side

DDR 400 · **Fanless** · **F3 One Key Recovery** iEi symantec. · **Windows® Embedded Partner**

Specifications

◆ **CPU**
On-board AMD Geode™ LX 800 (500MHz) processor
◆ **System Chipset**
AMD Geode™ LX 800 + AMD CS5536
◆ **BIOS**
Award BIOS
◆ **System Memory**
One 200-pin 400/333 MHz DDR SDRAM SO-DIMM Supported (system max. 1GB)
◆ **Ethernet**
10/100Mbps RTL8100C Ethernet chipset
◆ **I/O Interface**
4 x USB 2.0   2 x RS-232
1 x IDE   1 x LPT/FDD
1 x PS/2 KB/MS
◆ **Expansions**
4 x PCI bus master
ISA support by ITE IT8888G
◆ **Audio**
Realtek ALC203 AC'97 codec
◆ **SSD**
CF Type II

◆ **Super I/O**
Winbond W83627EHG
◆ **Display Interface**
VGA integrated in AMD Geode™ LX 800
24-bit TTL (optional)
18-bit single-channel LVDS
◆ **Watchdog Timer**
Software programmable supports 1-255 sec. system reset
◆ **Power Supply**
AT/ATX support
◆ **Power Consumption**
5V@0.92A (AMD Geode™ LX 800 CPU with DDR 333MHz 256MB RAM)
◆ **Operating Temperature**
0°C ~ 60°C (32°F ~ 140°F)
◆ **Storage Temperature**
-10°C ~ 70°C
◆ **Operating Humidity**
5% ~ 95%, non-condensing
◆ **Dimensions**
95 mm x 114 mm
◆ **Weight**
GW: 650g/NW: 250g

Dimensions (mm)
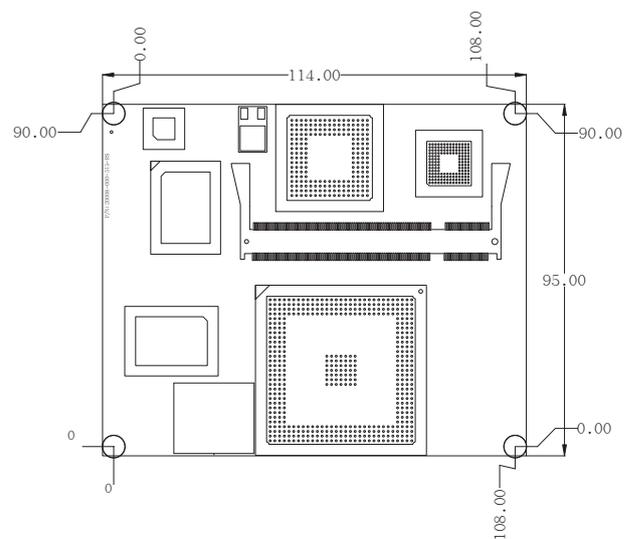
Packing List

1 x IEM-LX single board computer	1 x One Key Recovery CD	
1 x Screw kit	1 x Utility CD	1 x QIG

Ordering Information

Part No.	Description
IEM-LX-800-R11	AMD Geode™ LX 800 500MHz processor, VGA/LVDS/TTL, LAN & Audio