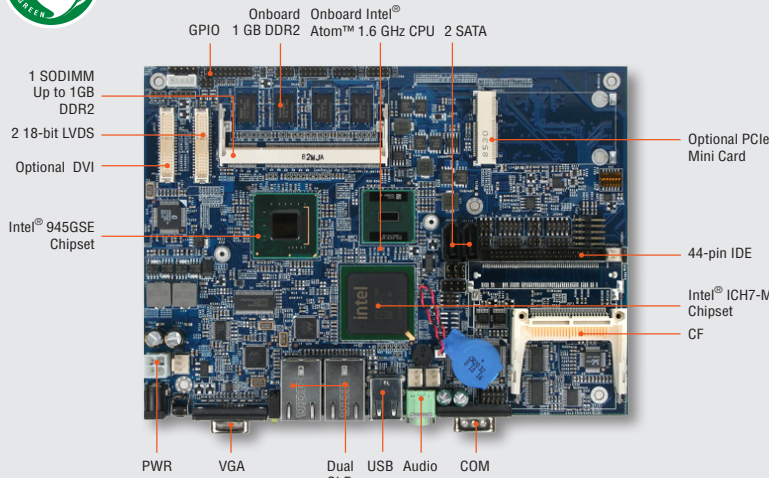




# EBM-945GSE

## Intel® Atom™ N270 5.25" Mini Module with Intel® 945GSE + ICH7-M Chipset



### Features

- Onboard Intel® Atom™ N270 1.6GHz CPU
- Intel® 945GSE/ ICH7-M Chipset
- Optional Onboard 1GB DDR2, One 200-pin SODIMM Up to 2GB 400/ 533 SDRAM
- Dual View, TV-out, DVI with 2-CH 18-bit LVDS, Optional 2-CH 18/ 24-bit LVDS
- Dual Gigabit Ethernet
- 1 CF, 2 SATA, 2 COM, 6 USB, 16-bit GPIO
- 1 Optional Mini PCIe
- Optional Built-in Touch Screen I/F
- Fanless Operation

Intel® 945GSE	Dual View	2 LVDS	2 GbE	2 SATA
2 COM	6 USB	16 GPIO	Fanless	

### Specifications

#### System

• CPU	Onboard Intel® Atom™ N270 1.6GHz CPU
• FSB	533/ 667 MHz
• BIOS	Award 8 Mbit Flash BIOS
• System Chipset	Intel® 945GSE/ ICH7-M
• I/O Chip	ITE 8712F
• System Memory	Onboard 1GB DDR2, One 200-pin DDR2 SODIMM Supports Up to 2GB 400/ 533 SDRAM (1GB Per bank)
• SSD	One CompactFlash Type I/II Socket, Master/ Slave by 2.0mm Jump
• Watchdog Timer	Reset: 1 ~ 65535sec./min. and 1min./step
• Expansion	One Optional Mini PCIe

#### I/O

• MIO	1 x EIDE by 44-pin IDE Connector, Master/ Slave by 2.0mm Jump, 2 x SATA, 2 x RS-232/ 422/ 485 (Setting by BIOS), Optional 4 x RS-232 (Pin Header), 1 x KB & Mouse (Co-lay with LAN2)
• IrDA	Supports One IrDA Tx/Rx Header
• USB	6 x USB 2.
• DIO	16-bit General Purpose I/O for DI and DO
• TV-out	Intel® 945GSE Integrated TV-out Interface

#### Display

• Chipset	Intel® 945GSE Integrated GMA950 Graphics
• Display Memory	Intel® DVMT 3.0 Supports Up to 224MB Shared Video Memory
• Resolution	CRT Mode: 2048 x 1536 @ 75Hz LCD Mode: 1600 x 1200 @ 60Hz
• Multiple Display	CRT + SDVO (DVI or 2 x 18/ 24-bit LVDS), CRT + TV-out, CRT + LVDS
• LVDS	Dual-channel 18-bit; Optional Chronitel CH7308 SDVO to 2 x 18/ 24-bit LVDS Transmitter
• DVI	Optional Chronitel CH7307 SDVO to DVI Transmitter

#### Audio

• Chipset	Intel® ICH7-M
• AC97 Codec	Realtek ALC655 Supports 5.1-CH Audio
• Audio Interface	Mic-in, Line-in, Speak-out

#### Ethernet

• LAN	Dual Realtek RTL8111C Gigabit Ethernet, Supports Wake on LAN
• Ethernet Interface	10/ 100/ 1000 Base-Tx Gigabit Ethernet Compatible

#### Touch Screen Interface (Optional)

• Chipset	ETP-CP-S458XRU
• Touch Screen Interface	With 10-pin 2.54mm Pin Header (Can be Selected to Support 4/ 5/ 8-wire Touch Screen)

#### Mechanical & Environmental

• Power Requirement	+12V @ 1.27A
• Power Type	AT Single +12V/ ATX
• Operating Temperature	0 ~ 60°C (32 ~ 140°F)
• Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
• Size (L x W)	8" x 5.75" (203mm x 146mm)
• Weight	0.88lb (0.4kg)

### Ordering Information

- **EBM-945GSE**  
Intel® Atom™ N270 5.25" Mini Module with Intel® 945GSE + ICH7-M Chipset and Onboard 1GB DDR2 SDRAM, Extra SODIMM, VGA, LVDS, 2 SATA, 6 USB, 2 COM, 16-bit GPIO
- **ACC-CF-xx**  
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512MB, 1, 2, 4, 8GB)
- **ACC-MEM-xx**  
Memory Series (xx = Capacity, Capacity Option: 256, 512 MB, 1, 2 GB)
- **E1704640400R**  
DVI Cable 24P/1.91-40P/1.25 40cm

1

Embedded System

2

LPC Series

3

PPC Series

4

FPC Series

5

MPC Series

6

ETX/XTX COM Express

7

3.5" SBC

8

EPIC

9

5.25" SBC

10

PC/104

11

RISC

12

Peripherals

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