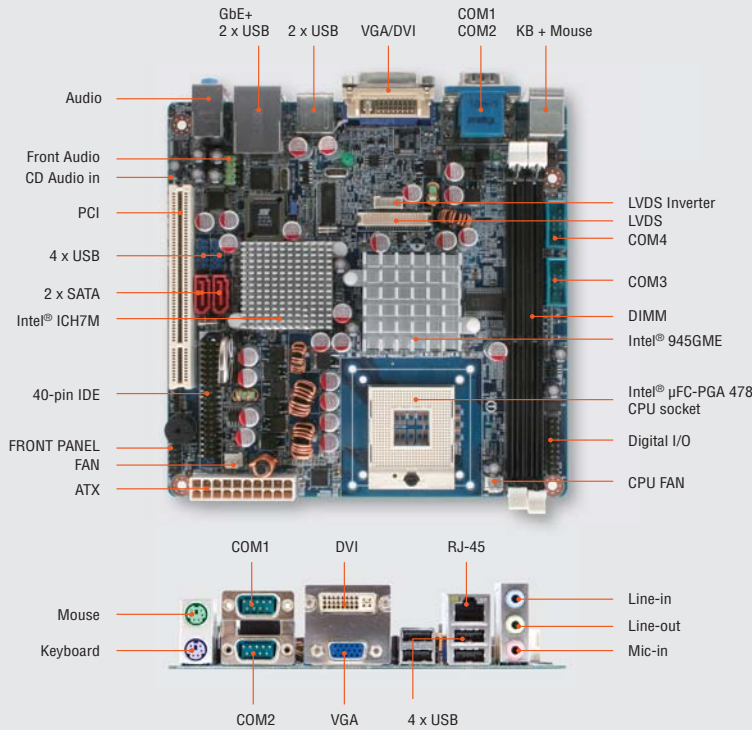




# EMX-945GME3

Intel® Core™ 2 Duo/ Core™ Duo/ Core™ 2 Solo/  
Core™ Solo Mini ITX Motherboard with Intel®  
945GME + ICH7-M Chipset



## Features

- Supports 65nm Intel® Core™ 2 Duo/ Core™ Duo/ Core™ 2 Solo/ Core™ Solo CPU
- Intel® 945GME/ ICH7-M Chipset
- Two DIMMs Up to 4GB 2-CH DDR2 533/ 667 SDRAM
- Intel® Graphics Media Accelerator 950
- Dual View, DVI, 2-CH LVDS
- Realtek ALC888 Supports 5.1+2-CH Audio Streams, 6W AMP
- Realtek RTL8111B Gigabit Ethernet
- 1 CF, 4 COM (5V/ 12V), 2 SATA
- 1 PCI 2.2, 8 USB, 16-bit GPIO

Intel 945GME	Intel GMA 950	2 Audio Streams	6W AMP	GbE
Dual View	2-CH LVDS	DVI	CF	2 SATA
4 COM	Powered COM	8 USB	PCI	16 GPIO

## Specifications

### System

• CPU	Supports Intel® µFC-PGA 478 Core™ 2 Duo/ Core™ Duo/ Core™ 2 Solo/ Core™ Solo with 65nm Process Technology
• FSB	533/ 667MHz
• BIOS	Award 1MB Flash ROM BIOS
• System Chipset	Intel® 82945GME/ 82801GBM (ICH7-M)
• I/O Chip	Winbond W83627DHG-A
• System Memory	Two 240-pin DIMM Sockets Support Up to 4GB Dual Channel DDR2 533/ 667 SDRAM
• SSD	One CompactFlash Type I/II Socket
• Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring CPU Temperature, Voltage and Fan Status with Auto Throttling Control
• Expansion	1 PCI Slot (PCI Rev. 2.2 Compliant) Supports 3 PCI Master
• S3	Yes
• SmartFan Control	Speed Cruise Mode

### I/O

• MIO	1 x EIDE, 2 x SATA, 1 x K/B, 1 x Mouse 4 x RS-232 (COM1 ~ 4 with Power Output)
• USB	8 x USB 2.0
• DIO	16-bit General Purpose I/O for DI and DO

### Audio

• Audio Codec	Realtek ALC888 High-definition Audio Codec Supports 5.1+2-CH Independent Audio Streams
• Audio Interface	Mic-in, Line-in, Line-out
• Audio Amplifier	TPA3005D2 6W (Per Front Channel) Stereo Amplifier

### Display

• Chipset	Intel® 945GME GMCH integrated Intel® Graphics Media Accelerator 950
• Display Memory	Intel® DVMT 3.0 Supports Up to 224MB Shared Video Memory
• Resolution	2048 x 1536 @ 32bpp (85Hz)
• Dual Display	CRT + LVDS, CRT + DVI-D
• VGA	1 D-SUB
• LVDS	Support 2-CH 18/24-bit LVDS
• DVI	Chrontel CH7307C DVI-D Transmitter Up to 165M pixels/second

### Ethernet

• LAN	Realtek RTL8111B PCIe Gigabit Ethernet
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### Mechanical & Environmental

• Power Type	ATX
• Operating Temperature	0 ~ 60°C (32 ~ 140°F)
• Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
• Size (L x W)	6.69" x 6.69" (170mm x 170mm)
• Weight	0.88lbs (0.4Kg)

## Ordering Information

### • EMX-945GME3-A1R

Intel® Core™ 2 Duo/ Core™ Duo/ Core™ 2 Solo/ Core™ Solo Mini ITX Motherboard with Intel® 945GME + ICH7-M Chipset and VGA, LVDS/ DVI, Audio, GbE, 4 COM, 8 USB, 2 SATA, 16-bit GPIO, 1 PCI, CF & 6W AMP w/ SATA Cable, IDE Cable, Bracket, CD Driver

1  
ATX

2  
Micro  
ATX

3  
Mini  
ITX

4  
Nano  
ITX

5  
ACP

6  
System

7  
Accessory