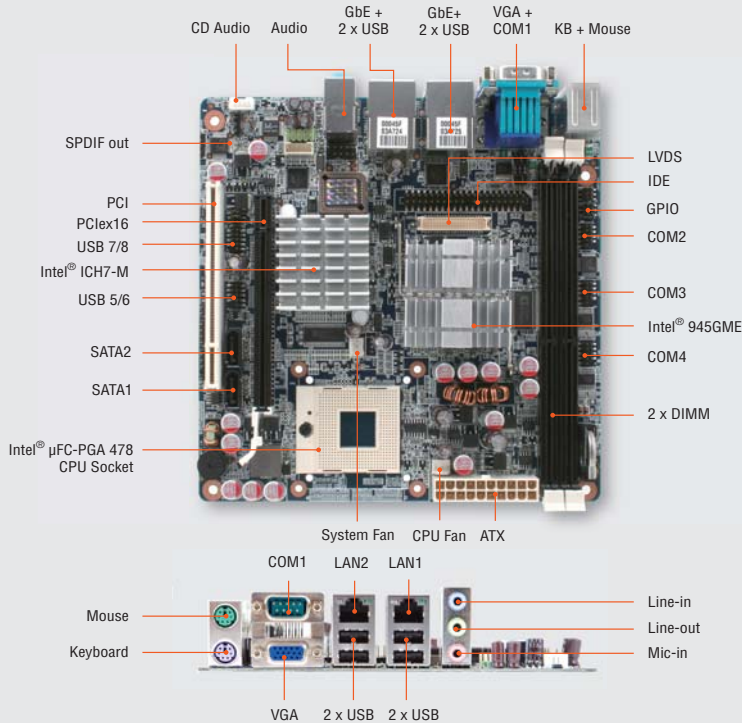




# EMX-945GM2

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 Mobile CPU
- Intel® 945GME/ ICH7-M Chipset
- Two DIMMs Up to 4GB 2-CH DDR2 533/ 667 SDRAM
- Intel® Graphics Media Accelerator 950
- Dual View, 2-CH LVDS
- Realtek ALC888 Supports 5.1+2-CH Audio Streams, 6W AMP
- Dual Marvell 88E8053 Gigabit Ethernet
- 1 PCI 2.2, 1 Mini PCI, CF, 2 SATA II
- 4 COM (2 Powered COM), 8 USB, 8-bit GPIO
- 1 PCIex16 Supports ADD2 VGA/ DVI/ LVDS/ HDMI Card

Intel 945GME	Intel GMA 950	Dual View	2-CH LVDS	2 Audio Streams
2 GbE	PCIex16	PCI	Mini PCI	CF
2 SATA II	4 COM	Powered COM	8 USB	8 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 512KB Flash BIOS
• System Chipset	Intel® 82945GME/ 82801GBM (ICH7-M)
• I/O Chip	Winbond W83627EHG-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 PCIex16, 1 PCI Slot (PCI Rev. 2.2 Compliant), 1 Mini PCI
• S3	Yes
• SmartFan Control	Yes

### I/O

• MIO	1 x EIDE (Ultra DMA 100), 2 x SATA II, 1 x K/B, 1 x Mouse, 4 x RS-232 (COM1, 2 with Power Output)
• IrDA	115kbps, IrDA Connector (1.0 Compliant)
• USB	8 x USB 2.0
• DIO	8-bit General Purpose I/O for DI and DO (Smbus)

### Audio

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

### Display

• Chipset	Intel® 945GME Integrated Graphics Media Accelerator 950
• Display Memory	Intel® DVM T 3.0 Supports Up to 224MB Shared Video Memory
• Resolution	2048 x 1536 @ 32bpp (85Hz)
• Dual Display	CRT + LVDS
• LVDS	2-CH 18/24-bit LVDS
• HDMI/ 2 <sup>nd</sup> LVDS/ DVI/ 2 <sup>nd</sup> VGA	Through ADD2 Card

### Ethernet

• LAN 1	Marvell 88E8053 Gigabit Ethernet
• LAN 2	Marvell 88E8053 Gigabit Ethernet

### 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 6.6" (170mm x 170mm)
• Weight	0.88lbs (0.4kg)

## Ordering Information

### • EMX-945GM2-A1R

Intel® Core™ 2 Duo/ Core™ Duo/ Core™ 2 Solo/ Core™ Solo Mini ITX Motherboard with Intel® 945GME + ICH 7-M Chipset and VGA, LVDS, Audio, Dual GbE, CF, PCIex16, PCI, Mini PCI, 2 SATA II & 8 USB w/ SATA Cable, IDE Cable, Bracket, CD Driver