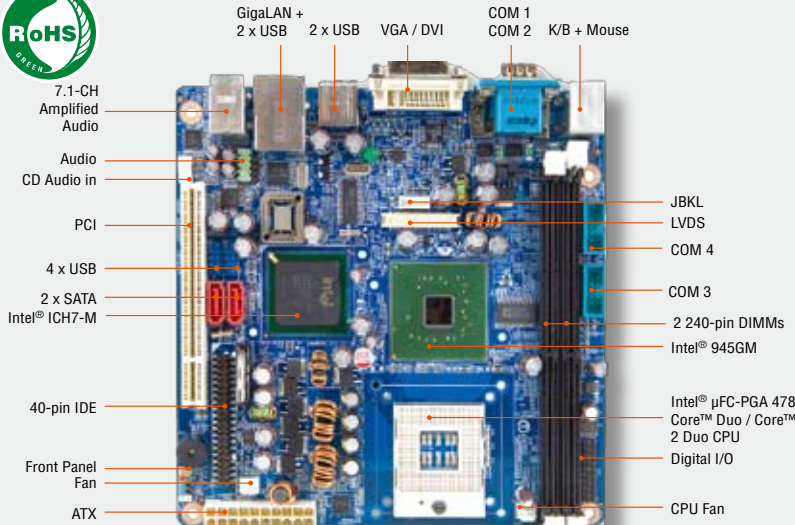




EMX-945GME3

Intel® 945GME Core™ Duo / Core™ Solo / Core™ 2 Duo Mini ITX Motherboard



Features

Supports Intel® µFC-PGA 478 Core™ Duo / Core™ Solo / Core™ 2 Duo CPU

Intel® 945GME / ICH7-M Chipset

Two 240-pin DIMMs up to 4GB 2-CH DDR2 533/667 SDRAM

Dual View, 2-CH LVDS, DVI

Intel® Graphics Media Accelerator 950

7.1-CH Audio

Realtek RTL8111B PCIe GigaLAN

1 PCI, 1 Type I/II CF

4 COM, 8 USB 2.0, 2 SATA, 16-bit GPIO



CH1
ETX/
COM Express

CH2
3.5" SBC

CH3
EPIC

CH4
5.25" SBC

CH5
PC/104

CH6
IMB

CH7
Embedded
System

CH8
MTP
Panel PC

CH9
Panel PC

CH10
ahis

CH11
Peripheral

CH12
Index

Specifications

System

• CPU	Supports Intel® µFC-PGA 478 Core™ Duo / Core™ Solo / Core™ 2 Duo with 65nm process technology
• FSB	533/667 MHz
• BIOS	Award 1 MB Flash BIOS
• System Chipset	Intel® 82945GME GMCH / 82801GBM ICH7-M DH
• I/O Chip	Winbond W83627DHG-A
• System Memory	Two 240-pin DIMM sockets support up to 4 GB Dual Channel DDR2 533/667 SDRAM
• SSD	One CompactFlash Type I/II socket
• Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
• H/W Status Monitor	Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
• Expansion	1 PCI (PCI Rev. 2.2 compliant) supports 3 PCI master
• S3	S3 Support
• SmartFan Control	Speed Cruise Mode

I/O

• MIO	1 x EIDE (Ultra DMA 100), 2 x SATA, 4 x RS-232, 1 x K/B, 1 x Mouse
• USB	8 x USB 2.0
• DIO	16-bit General Purpose I/O for DI and DO

Display

• Chipset	Intel® 82945GME GMCH integrated Graphics Media Accelerator 950
• Display Memory	Intel® DVMIT 3.0 supports 224 MB video memory
• Resolution	2048 x 1536 @ 32 bpp (85 Hz)
• Dual Display	CRT + LVDS, or CRT + DVI-D
• VGA/LCD Interface	D-SUB +DVI-D
• LVDS	Intel® 945GME supports Single channel 18/24-bit or Dual-channel 36-bit LVDS / 48-bit
• DVI	Chrontel CH7307C DVI transmitter up to 165M pixels/second

Audio

• Chipset	Intel® 82801GBM ICH7-M DH
• Audio Code	Realtek ALC888 7.1-CH HD Audio Codec
• Audio Interface	Mic in, Line in, (CD Audio in), Line out
• Audio Amplifier	TPA3005D2 Stereo 5 Watt per channel

Ethernet

• LAN	Realtek RTL8111B PCIe 1000Base-T Gigabit Ethernet Controller
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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" (170 mm x 170 mm)
• Weight	0.88 lbs (0.4 kg)

Ordering Information

- **EMX-945GME3**
Intel® Core™ Duo / Core™ Solo / Core™ 2 Duo Mini ITX Motherboard with VGA/DVI, LVDS, Amplified Audio, GigaLAN, 4 COM, 8 USB 2.0, 16-bit GPIO, 1 PCI, 1 CF
- **ACC-CF-xx**
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4, 8 GB)
- **ACC-FAN-PM-01R**
Support Intel® Pentium® M CPU to 1.86 G, 27 W
- **ACC-FAN-805R**
CPU Cooler 3P/12V Socket 478 up to 35W