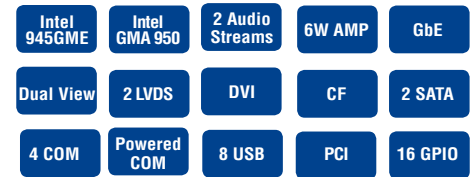


Features

- Supports 65nm Intel® Core™ 2 Duo / Core™ Duo / Core™ 2 Solo / Core™ Solo CPU
- Intel® 82945GME / ICH7-M Chipset
- Two DIMMs up to 4GB 2-CH DDR2 533/667 SDRAM
- Dual View, DVI, 2-CH LVDS
- Intel® Graphics Media Accelerator 950
- 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



System

CPU	Supports Intel® µFC-PGA 478 Core™ Duo / Core™ Solo / Core™ 2 Duo with 65nm process technology
FSB	533/667 MHz
BIOS	Award 8 Mb Flash ROM 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 fan status with auto throttling control
Expansion	One PCI slot (PCI Rev. 2.2 compliant) supports 3 PCI master
S3	S3 Support
SmartFan Control	Speed Cruise Mode

I/O

MIO	1 x EIDE, 2 x SATA, 4 x RS-232, 1 x K/B, 1 x Mouse (COM1~4 with Power output)
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® DVMT 3.0 supports up to 224 MB shared 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	Support 2-CH 18/24-bit LVDS
DVI	Chrontel CH7307C DVI transmitter up to 165M pixels/second

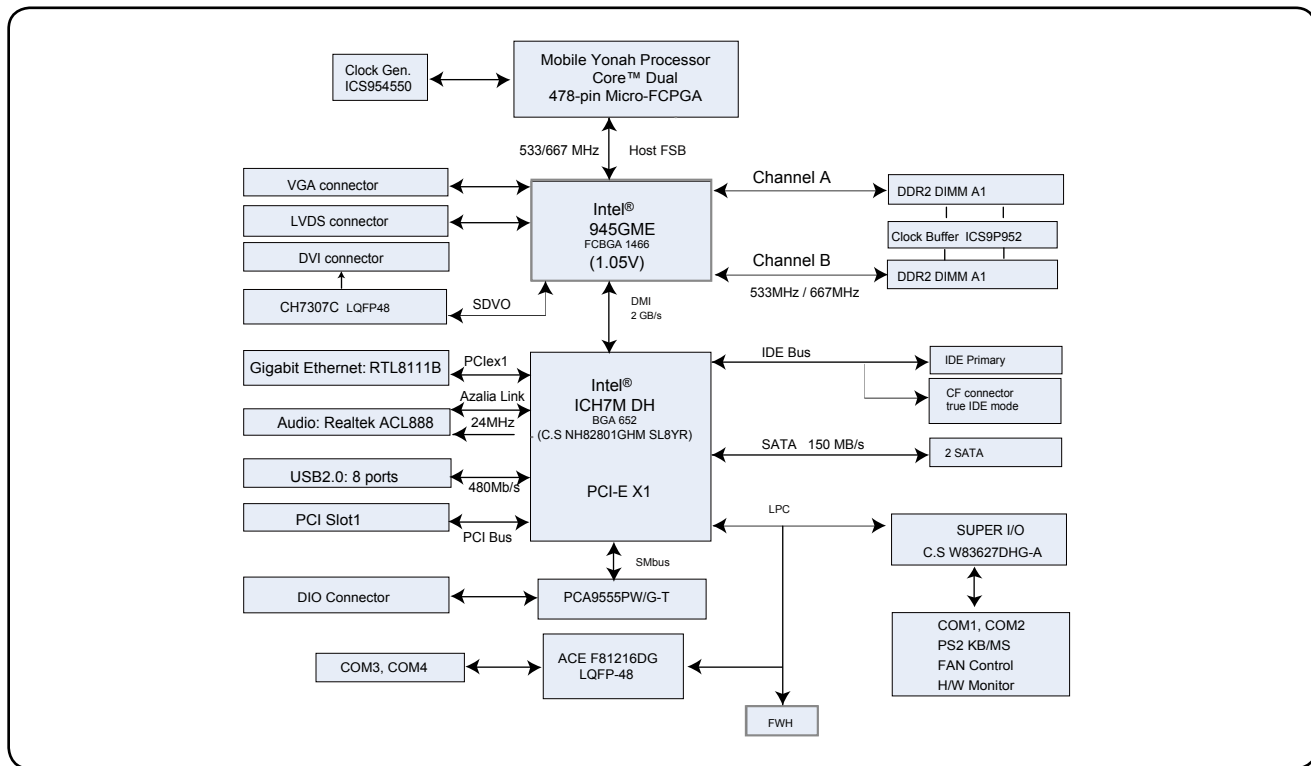
Audio

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

Ethernet

LAN	Realtek RTL8111B PCIe Gigabit Ethernet
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Block Diagram



1
ATX

2
Micro
ATX

3
Mini
ITX

4
Nano
ITX

Rear Panel I/O Port

- 1 x PS/2 Keyboard
- 1 x PS/2 Mouse
- 2 x RS-232 (with 5V/12V output)
- 1 x VGA port
- 1 x DVI port
- 4 x USB 2.0/1.1
- 1 x RJ-45 Port
- 5.1-CH Audio I/O (3 jacks)

Internal I/O Connector

- 2 x USB connectors support 4 USB ports
- 1 x 20-pin ATX Power connector
- 1 x IDE 40-pin connector for two devices
- 2 x COM port header (with 5V/12V output)
- 2 x SATA connectors
- 1 x Front panel audio connector
- 1 x Audio amplifier connector
- 1 x System panel connector
- 1 x LVDS connector
- 1 x Inverter Power connector
- 1 x CPU Fan connector
- 1 x System Fan connector
- 1 x Digital IO header
- 1 x SPDIF Out connector

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)

5
ACP

6
System

7
Accessory

Ordering Information

Intel® 945GME Core™ 2 Duo Mini ITX Motherboard with VGA, LVDS/DVI, Audio, GbE, 4 COM, 8 USB, 16-bit GPIO, 1 PCI, CF & 6W AMP w/ SATA cable, IDE cable, Bracket, CD driver
EMX-945GME3-A1R