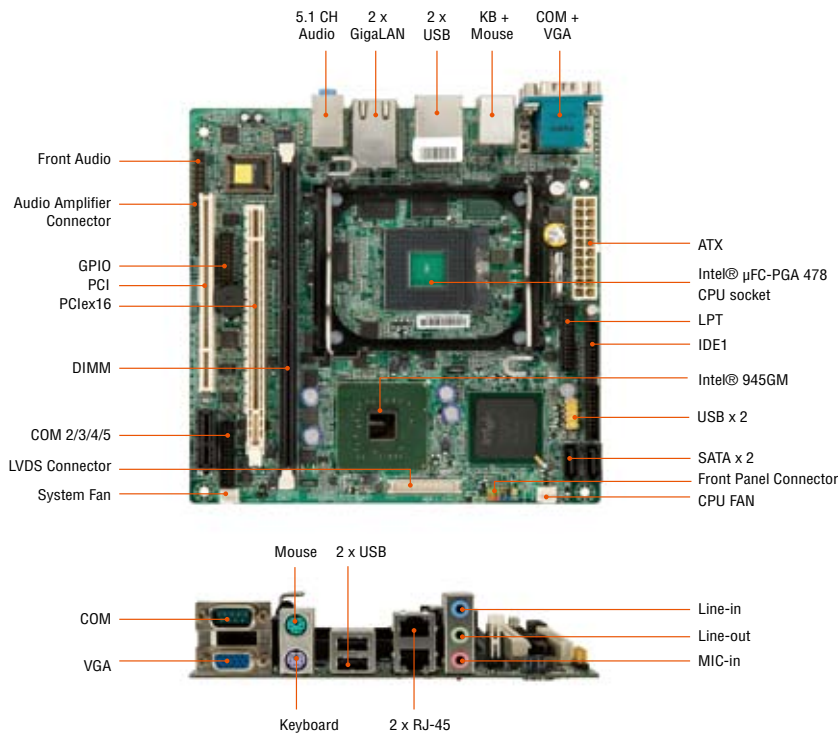


i945GM-LINI Intel® 945GM µFC-PGA 478 Core™ 2 Duo Mobile CPU Mini ITX Main Board



Features

- Supports 65nm Intel® Core™ 2 Duo / Core™ Duo / Core™ 2 Solo / Core™ Solo Mobile CPU
- Intel® 82945GME Express Chipset
- One DIMM up to 2GB DDR2 667 SDRAM
- 2-CH 18-bit LVDSI
- intel® Graphics Media Accelerator 950
- Realtek ALC888 Supports 5.1+2 CH Audio Dual Audio Streams
- Dual Intel® 82573L Gigabit LAN
- 1 PCI-E x 16, 1 PCI
- 5 COM, 2 SATA, 4 USB, 16-bit GPIO
- PCI-E x16 Slot Supports ADD2 VGA/DVI/LVDS Card
- TPA3005D2 5W Stereo Amplifier

LVDS	2 x Audio Stream	5W Amplifier	2 x GigaLAN	5 COM
PCI-E x16	2nd VGA	16-bit GPIO		

Specifications

System

CPU	Supports Intel® µFC-PGA 478 Core 2 Duo / Core Duo / Core 2 Solo / Core Solo mobile CPU with 65nm process technology
FSB	533/667 MHz
BIOS	Award 4 Mb Flash ROM BIOS
System Chipset	Intel® 82945GME GMCH/82801GM ICH7-M
I/O Chip	Winbond W83627EHG
System Memory	One 240-pin DIMM socket supports up to 2 GB DDR2 533/667 SDRAM
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	One PCI Express X16, One PCI slot (PCI Rev. 2.2 compliant)
S3	S3 Support
SmartFan Control	Yes

I/O

MIO	1 x EIDE (Ultra DMA 100), 1x LPT, 2 x SATA, 1 x RS-232 (D-sub), 2 x RS-232, 2 x RS-422/RS-485 (through 26pin extension cable), 1 x K/B, 1 x Mouse
USB	4 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 224 MB video memory
Resolution	2048 x 1536 @ 32 bpp (85 Hz)
Dual Display	CRT + LVDS
LVDS	Supports 18-bit Dual-channel LVDS
DVI	Through ADD2 DVI Card

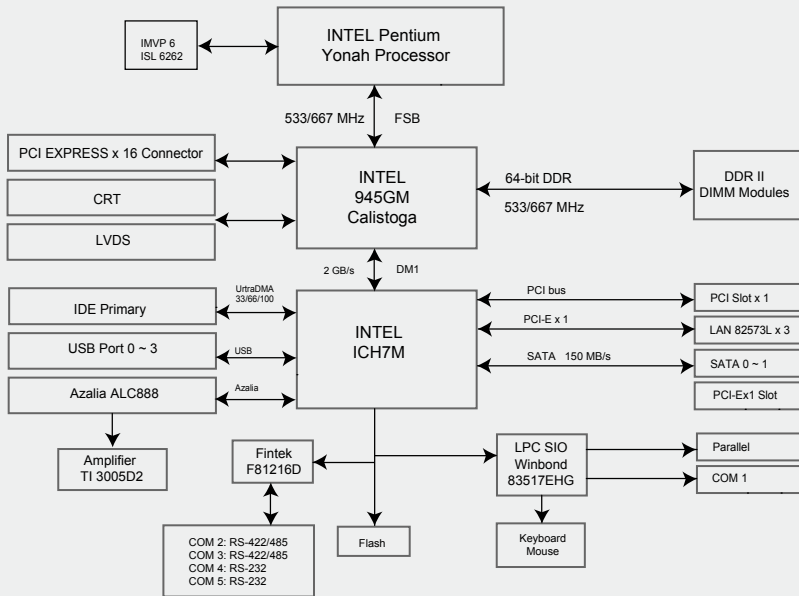
Audio

Chipset	Intel® 82801GM ICH7M
AC97 Codec	Realtek ALC888 high-definition Audio Codec supports 5.1+2-CH two independent Audio streams
Audio Interface	Mic in, Line in, Line out, S/PDIF
Audio Amplifier	TPA3005D2 5W (per front channel) stereo amplifier

Ethernet

LAN 1	Intel® 82573L PCI-E Gigabit Ethernet Controller
LAN 2	Intel® 82573L PCI-E Gigabit Ethernet Controller

Block Diagram



Ordering information

i945GM-LINI

Intel® Core Duo / Core Solo/Core 2 Duo Mini ITX Motherboard with VGA, 7.1 CH Audio, Dual Gigabit LAN, PCI-E x16, PCI, & 4 USB 2.0

Packing list of i945GM-LINI

13GS0700003A33	Cooler	
80I-945GM0-1000AB1	i945GM-LINI Mini-ITX Motherboard	1
14GS0000016V04	44pin IDE cable	1
14G000127071	SATA cable	2
14GS0000019V04	COM cable	1

Back Panel I/O Port

- 1 x RS-232 Serial Port
- 1 x VGA port
- 1 x PS/2 Mouse
- 1 x PS/2 Keyboard
- 2 x USB 2.0/1.1
- 2 x RJ45 port
- Audio I/O (3 jacks)

Internal I/O Connector

- 1 x USB connector supports 2 USB ports
- 1 x 20-pin ATX Power connector
- 1 x IDE connector for two devices
- 1 x COM port pinheader supports 4 COM connectors
- 1 x Chassis intrusion connector
- 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 CPU Fan connector
- 1 x System Fan connector
- 1 x Parallel port connector
- 1 x SPDIF out connector
- 1 x Digital IO header

Mechanical & Environmental

Power Type	ATX
Operating Temperature	0~50°C (32~122°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)