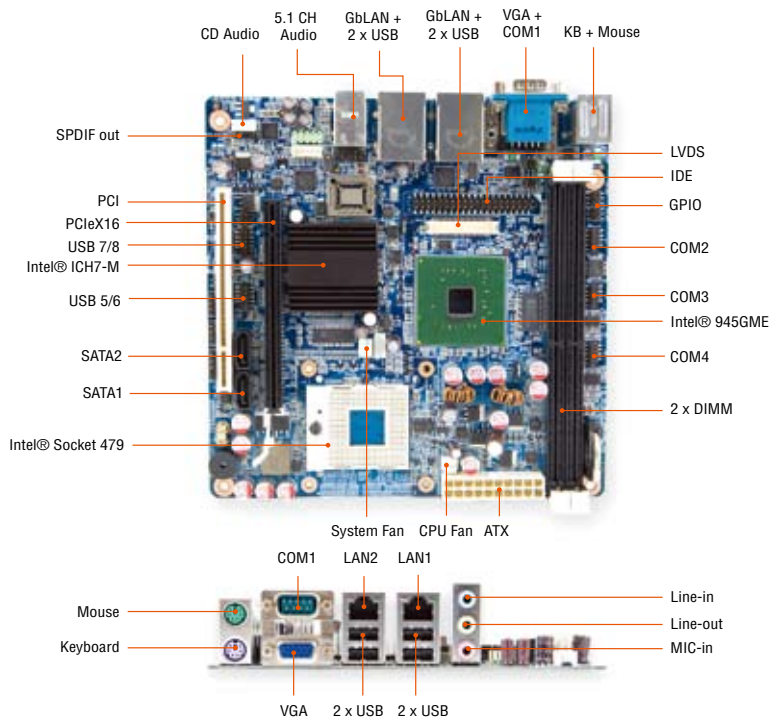


i945GM2-DCINI Intel® 945GM μ FC-PGA 478 Core™ 2 Duo Mobile CPU Mini ITX Main Board



Features

- Supports 65nm Intel® Core™ 2 Duo / Core™ Duo / Core™ 2 Solo / Core™ Solo Mobile CPU
- Intel® 82945GME Express Chipset
- Two DIMMs up to 4GB 2-CH DDR2 667 SDRAM
- 2-CH 18/24-bit LVDS, Dual View
- Intel® Graphics Media Accelerator 950
- Realtek ALC888 5.1+ 2 CH Audio Supports Dual Audio Streams
- Dual Marvell 88E8053 Gigabit LAN Controller
- 1 PCI-E x 16, 1 PCI, 1 Mini PCI, Type I/II CF
- 2 COM + 2 powered COM, 2 SATA, 8 USB, 8-bit GPIO
- PCI-E X16 Slot Supports ADD2 VGA/DVI/LVDS Card

LVDS	2 x Audio Stream	2 x GigaLAN	4 COM	Powered COM
PCI-Ex16	2nd VGA	8-bit GPIO		

Specifications

System

CPU	Supports Intel® μ FC-PGA 478 Core™ 2 Duo / Core™ Duo / Core™ 2 Solo / Core™ Solo with 65nm process technology
FSB	533/667 MHz
BIOS	Award 4 Mb Flash BIOS
System Chipset	Intel® 82945GME GMCH/82801GM ICH7-M
I/O Chip	Winbond W83627EHG-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	One PCI Express X16, One PCI slot (PCI Rev. 2.2 compliant), One Mini PCI
S3	S3 Support
SmartFan Control	Yes

I/O

MIO	1 x EIDE (Ultra DMA 100), 3 x RS232, 1 x RS232/422/485, LPT, 2 x SATA, 1 x 1 x K/B, 1 x Mouse (COM1, 2 with Power output)
IrDA	115k bps, IrDA connector (1.0 compliant)
USB	8 x USB 2.0
DIO	8-bit General Purpose I/O for DI and DO (Smbus)

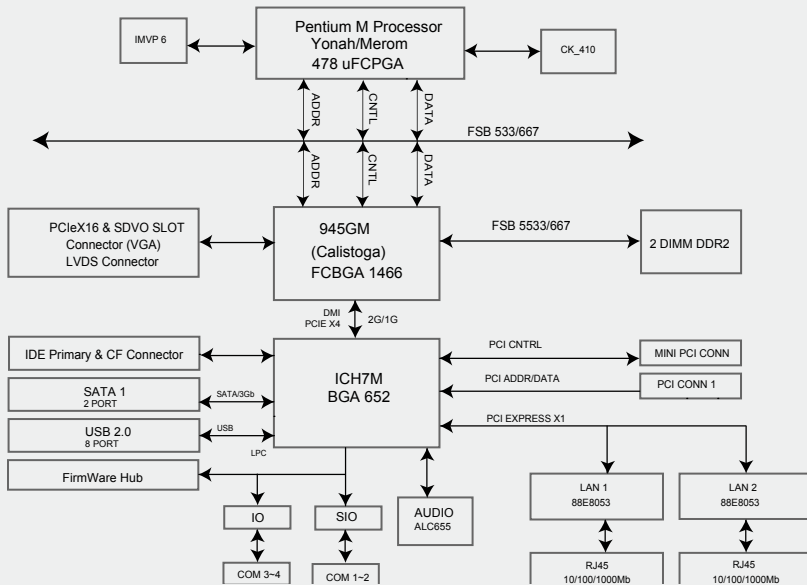
Display

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	Support 18/24-bit Dual-channel LVDS * Customized BIOS required for 24/48-bit LVDS
DVI	Through ADD2 DVI Card

Audio

Chipset	Intel® 82801GM ICH7-M
AC97 Codec	Realtek ALC888 high-definition Audio Codec supports 5.1+2-CH two independent Audio streams
Audio Interface	Mic in, Line in, CD Audio in, Line out

Block Diagram



Ordering information

i945GM2-DCINI

Intel® Core Duo / Core Solo/Core 2 Duo
Mini ITX Motherboard with VGA, 2-CH
LVDS, 5.1 CH Audio, Dual Gb LAN, CF,
PCI-E x16, PCI, Mini PCI, & 8 USB 2.0

Packing list

80I-945GM2-0B00000	i945GM2-DCINI motherboard	1
14GS010009V04	COM1 CABLE 2.0mm pitch	2
14GS0000021Y09	40 Pin IDE Cable	1
14G000100910	SATA Cable Kit (SATA/POWER)	2

Ethernet

LAN 1	Marvell 88E8053 PCI-E Gigabit Ethernet Controller
LAN 2	Marvell 88E8053 PCI-E Gigabit Ethernet Controller

Back Panel I/O Port

	<ul style="list-style-type: none"> 1 x PS/2 Keyboard 1 x PS/2 Mouse 1 x RS-232 (with 5V/12V output) 1 x VGA port 2 x RJ45 port 4 x USB 2.0/1.1 Audio I/O (3 jacks)
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Internal I/O Connector

	<ul style="list-style-type: none"> 2 x USB connectors support 4 USB ports 1 x 20-pin ATX Power connector 1 x 40-pin IDE connector for two devices 3 x COM connector (COM2 with 5V/12V output) 2 x SATA connectors 1 x System panel connector 1 x CD-In connector 1 x SPDIF out connector 1 x SMBus management connector 1 x LVDS connector 1 x CPU Fan connector 2 x 2x3-pin connector support 8-Bit GPIO via SMBus PCA9554 Controller (optional)
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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)

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