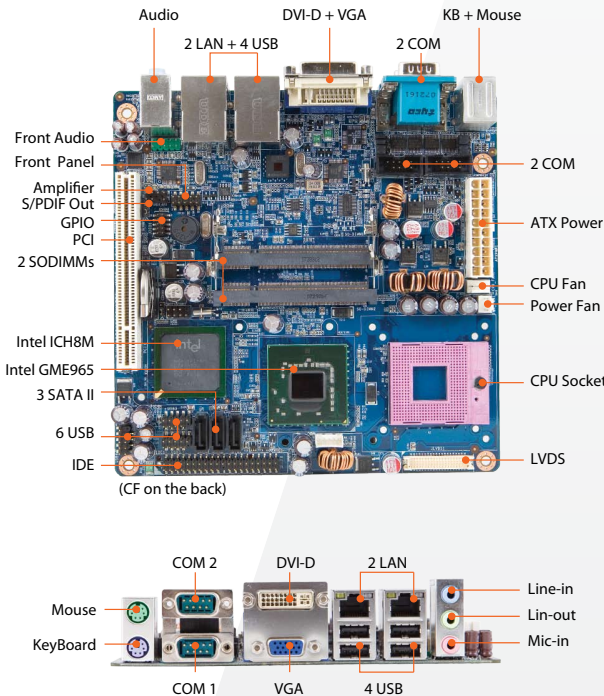


# I965GM-DCQI

Intel® GME965 with Core™2 Duo Mini-ITX Motherboard



## Features

- Socket P supports Intel Mobile Core 2 Duo FSB 800/ 533MHz CPU
- Intel GME965 + ICH8M Chipset
- Two 200-pin DDR2 SODIMM 533/ 667MHz, up to 4GB
- Intel Graphics Media Accelerator X3100 supports DirectX 10 and OpenGL 1.5
- Multiple display I/O supports versatile Dual Display functions : DVI-D, LVDS, VGA
- Realtek ALC888 supports 5.1 + 2 Channel with 2 independent HD Streaming Audio and 6W AMP
- Dual Realtek RTL8111B Gigabit LAN
- 4 COM RS-232, 10 USB 2.0, 3 SATA II, 1 CF
- TPM 1.2 onboard, 8-bit GPIO

## Specifications

### System

<b>CPU</b>	Intel Socket P supports Core 2 Duo/ Celeron® M with 65nm process technology
<b>FSB</b>	800/ 533MHz
<b>BIOS</b>	Award 16Mb SPI BIOS
<b>System Chipset</b>	Intel GME965 + ICH8M Chipset
<b>I/O Chip</b>	Winbond W83627DHG-A
<b>System Memory</b>	Two 200-pin SODIMM socket support up to 4GB DDR2 667/ 533 SDRAM
<b>Watchdog Timer</b>	Reset : 1 to 255 sec/min per step
<b>H/W Status Monitor</b>	Monitoring temperature, voltage and cooling fan status. Auto throttling control when CPU overheats.
<b>Expansion</b>	1 PCI slot (PCI Rev.2.2 compliant) supports 3 PCI Master, 1 CompactFlash Type I/II Socket
<b>TPM</b>	Onboard TPM 1.2 by Infineon SLB9635
<b>Power State</b>	S1, S3, S4, S5
<b>Wake up on LAN or Ring</b>	LAN (PXE)
<b>Smart Fan Control</b>	Yes

### I/O

<b>MIO</b>	1 IDE, 3 SATA II, 4 COM RS-232 with Power (5V/ 12V), 2 LAN, 1 PS/2 Keyboard, 1 PS/2 Mouse
<b>USB</b>	10 USB 2.0 (4 Rear, 6 Internal)
<b>GPIO</b>	8-bit General Purpose I/O for 4-bit DI and 4-bit DO

### Display

<b>Chipset</b>	Intel GME965 Integrated Graphics Media Accelerator X3100
<b>Display Memory</b>	Intel DVMT 4.0 supports 384MB Video Memory
<b>Max Resolution</b>	2048 x 1536 (@60Hz)
<b>Dual Display</b>	VGA + DVI-D, VGA + LVDS, DVI-D + LVDS
<b>VGA</b>	Onboard
<b>LVDS</b>	Onboard, Intel GME965 supports dual channel 18/24-bit LVDS
<b>DVI</b>	Onboard, Chronitel CH7307C supports DVI-D up to 165M pixel/sec

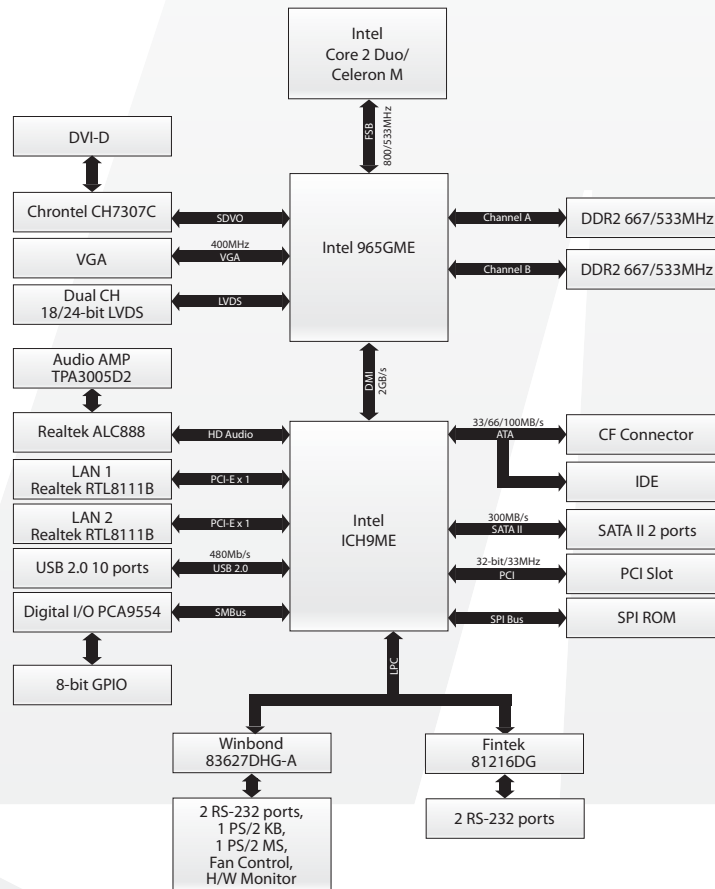
### Audio

<b>Audio Codec</b>	Realtek ALC888, 5.1 + 2 Channel HD Audio
<b>Audio Interface</b>	Line-in, Line-out, Mic-in
<b>Audio Amplifier (W)</b>	3W + 3W, TPA3005D2 Stereo

### Ethernet

<b>LAN 1</b>	Realtek RTL8111B Gigabit LAN
<b>LAN 2</b>	Realtek RTL8111B Gigabit LAN

## Block Diagram



I965GM-DCQI

### Back Panel I/O Port

- 1 PS/2 Keyboard
- 1 PS/2 Mouse
- 2 COM RS-232 Ports
- 1 DVI-D Port
- 1 VGA Port
- 2 LAN RJ45 Ports
- 4 USB 2.0 Ports
- Audio I/O (3 Jacks)

### Internal I/O Connector

- 3 USB Connectors supports 6 USB Ports
- 1 IDE Connector
- 2 COM RS-232 Connectors
- 3 SATA Connectors
- 1 CF Connector
- 1 Front Panel Audio Connector
- 1 Audio Amplifier Connector
- 1 System Panel Connector
- 1 LVDS Connector
- 1 Inverter Power Connector
- 1 CPU Fan Connector
- 1 System Fan Connector
- 1 GPIO Connector
- 1 S/PDIF Out Connector (reserved)

### Power

<b>Power Requirement</b>	+12V 4.13A	+5V 2.84A	+3.3V 1.77A	5VSB 1.43A
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**Power Type** ATX

**Power Connector** 1 20-pin ATX Power Connector

### Mechanical & Environmental

**Operating Temperature** 0°C to 60°C (32°F to 140°F)

**Operating Humidity** 0% to 90% relative humidity, non-condensing

**Size (L x W)** 6.69" x 6.69" (170 x 170 mm)

**Weight** 0.88 lbs (0.4 Kg)