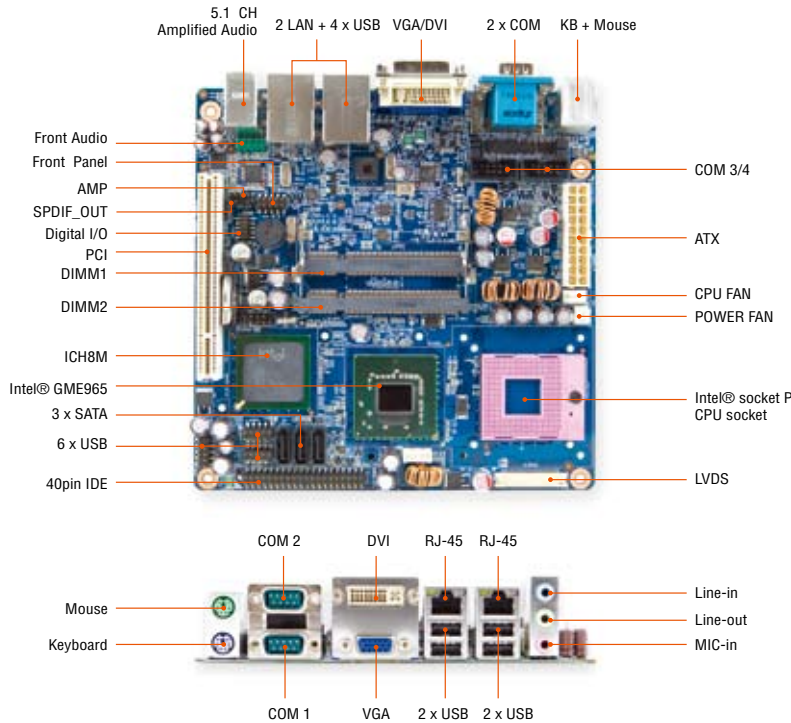


## i965GM-DCQI Intel® GM965 socket P Core™ 2 Duo Mobile CPU Mini ITX Main Board



### Features

- Supports Intel® Core™ 2 Duo / Core™ Duo / Core™ 2 Solo /Core™ Solo Mobile CPU
- Intel® GME965 Chipset
- Two SODIMMs up to 4 GB 2-CH DDR2 667 SDRAM
- DVI, 2-CH 18/24-bit LVDS
- Intel® Graphics Media Accelerator X3100
- Realtek ALC888 Supports 5.1+2 CH Dual Audio Streams
- Realtek RTL8111B PCI-E Gigabit LAN
- 1 PCI
- 4 Powered COM, 10 USB, 3 SATA, 8-bit GPIO
- TPM INFINEON SLB9635TT Module Onboard
- TPA3005D2 5W Stereo Amplifier



### Specifications

#### System

<b>CPU</b>	Supports Intel® socket P Core™ 2 Duo / Core™ Duo / Core™ 2 Solo /Core™ Solo mobile CPU with 65nm process technology
<b>FSB</b>	533/800 MHz
<b>BIOS</b>	Award 16 MB SPI BIOS
<b>System Chipset</b>	Intel® GME965/ICH8M
<b>I/O Chip</b>	Winbond W83627DHG-A
<b>System Memory</b>	Two 200-pin SODIMM sockets support up to 4 GB Dual Channel DDR2 533/667 SDRAM
<b>SSD</b>	One CompactFlash Type I/II socket
<b>Watchdog Timer</b>	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
<b>H/W Status Monitor</b>	Monitoring CPU temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
<b>Expansion</b>	One PCI slot (PCI Rev. 2.2 compliant) supports 3 PCI master
<b>TPM</b>	Infineon SLB 9635 TCG 1.2 compliant trusted platform module (TPM)
<b>S3</b>	S3 Support
<b>SmartFan Control</b>	Yes

#### I/O

<b>MIO</b>	1x EIDE, 3 x SATA, 10 x USB, 4 x RS232, 1 x K/B, 1 x Mouse (COM1~4 with Power output)
<b>USB</b>	10 x USB 2.0
<b>DIO</b>	8-bit General Purpose I/O for DI and DO

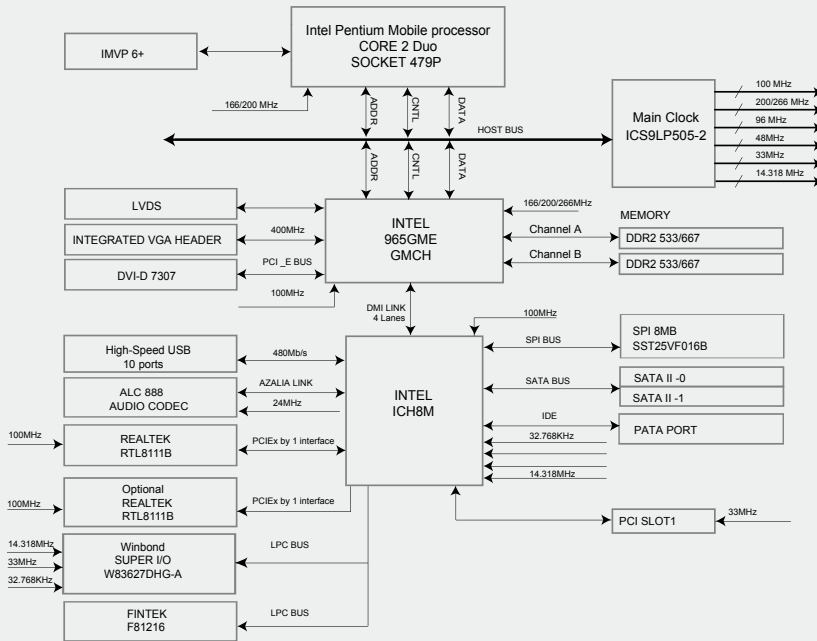
#### Display

<b>Chipset</b>	Intel® GME965 integrated Graphics Media Accelerator X3100
<b>Display Memory</b>	Intel® DVM T 4.0 supports 384 MB video memory
<b>Resolution</b>	2048 x 1536 @ 32 bpp(@ 60Hz)
<b>Dual Display</b>	CRT + LVDS, or CRT + DVI-D
<b>LVDS</b>	Dual-channel 24-bit LVDS
<b>DVI</b>	Chrontel CH7307C DVI transmitter up to 165M pixels/second

#### Audio

<b>Chipset</b>	Intel® ICH8M-DO
<b>Audio Code</b>	Realtek ALC888 high-definition Audio Codec supports 5.1+2-CH two independent Audio streams
<b>Audio Interface</b>	Mic in, Line in, (CD Audio in), Line out
<b>Audio Amplifier</b>	TPA3005D2 5W (per front channel) stereo amplifier

## Block Diagram



## Ordering information

### i965GM-DCQI

Intel® Core™ 2 Duo / Core™ Duo / Core™ 2 Solo / Core™ Solo Mini ITX Motherboard with DVI/VGA, 2 x 24-bit LVDS, 5.1 + 2 CH Audio, Giga LAN, 4 powered COM, 10 USB, 2 SATA, 8-bit GPIO, 1 PCI, 5 W audio amplifier & TPM

### Packing list

<b>80I-965GM0-0A00000</b>	i965GM-DCQI Mini-ITX motherboard	1
<b>14G000020095</b>	COM1 cable 9P, WO/bracket 26cm	2
<b>14GS0000021Y09</b>	Cable 40P 300mm IDE YCW-11996	1
<b>14G000100910</b>	SATA Cable Kit (SATA/POWER)	3

### Ethernet

<b>LAN 1</b>	Realtek RTL8111B PCI-E Gigabit Ethernet Controller
<b>LAN 2 (Optional)</b>	Realtek RTL8111B PCI-E Gigabit Ethernet Controller

### Back Panel I/O Port

<b>Back Panel I/O Port</b>	<ul style="list-style-type: none"> <li>1 x PS/2 Keyboard</li> <li>1 x PS/2 Mouse</li> <li>2 x RS-232 (with 5V/12V output)</li> <li>1 x VGA port</li> <li>1 x DVI port</li> <li>4 x USB 2.0/1.1</li> <li>1 x RJ45 Port (one existed, another in option)</li> <li>Audio I/O (3 Jacks)</li> </ul>
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### Internal I/O Connector

<b>Internal I/O Connector</b>	<ul style="list-style-type: none"> <li>3 x USB connectors support 6 USB ports</li> <li>1 x 20-pin ATX Power connector</li> <li>1 x IDE 40-pin connector for two devices</li> <li>2 x COM port header (with 5V/12V output)</li> <li>3 x SATA connectors</li> <li>1 x Front panel audio connector</li> <li>1 x Audio amplifier connector</li> <li>1 x System panel connector</li> <li>1 x LVDS connector</li> <li>1 x Inverter Power connector</li> <li>1 x CPU Fan connector</li> <li>1 x System Fan connector</li> <li>1 x Digital IO header</li> <li>1 x SPDIF Out connector reserved</li> </ul>
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### Mechanical & Environmental

<b>Power Type</b>	ATX
<b>Operating Temperature</b>	0~60°C (32~140°F)
<b>Operating Humidity</b>	0%~90% relative humidity, non-condensing
<b>Size (L x W)</b>	6.69" x 6.69" (170 mm x 170 mm)
<b>Weight</b>	0.88 lbs (0.4 Kg)