

## G41M-S



1. LGA 775 for Intel® Core™ 2 Extreme / Core™ 2 Quad / Core™ 2 Duo / Pentium® Dual Core / Celeron® Dual Core / Celeron®, supporting Penryn Quad Core Yorkfield and Dual Core Wolfdale processors
  2. Intel® G41 + ICH7 Chipsets
  3. Supports FSB1333/1066/800/533 MHz
  4. Supports Dual Channel DDR2 1066/800/667/533, 2 x DIMM slots, Max. capacity up to 8GB
- Intel® Graphics Media Accelerator X4500, Pixel Shader 4.0, DirectX 10, Max. shared memory 1759MB
  - 1 x PCI Express x16 slot
  - 10/100 Ethernet
  - 4 x SATAII 3.0 Gb/s connectors
  - Supports ASRock Instant Boot, Instant Flash
  - Supports Smart BIOS, ASRock OC Tuner, Intelligent Energy Saver
  - 5.1 CH Windows® Vista™ Premium Level HD Audio (Realtek ALC662 Audio Codec)
  - EuP Ready
  - Windows® Vista™ Premium 2008 Logo Ready
  - I/O Panel: 1 x Serial Port: COM1, 1 x VGA Port, 4 x Ready-to-Use USB 2.0 Ports, 1 x RJ-45 LAN Port with LED



## Product Specifications

General	
<b>CPU</b>	<ul style="list-style-type: none"> <li>- LGA 775 for Intel® Core™ 2 Extreme / Core™ 2 Quad / Core™ 2 Duo / Pentium® Dual Core / Celeron® Dual Core / Celeron®, supporting Penryn Quad Core Yorkfield and Dual Core Wolfdale processors</li> <li>- Supports FSB1333/1066/800/533 MHz</li> <li>- Supports Hyper-Threading Technology</li> <li>- Supports Untied Overclocking Technology</li> <li>- Supports EM64T CPU</li> </ul>
<b>Chipset</b>	<ul style="list-style-type: none"> <li>- Northbridge: Intel® G41</li> <li>- Southbridge: Intel® ICH7</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>- Dual Channel DDR2 memory technology</li> <li>- 2 x DDR2 DIMM slots</li> <li>- Supports DDR2 1066/800/667/533* non-ECC, un-buffered memory</li> <li>- Max. capacity of system memory: 8GB**</li> </ul> <p>*DDR2 533 is supported with FSB 533 CPU.</p> <p>**Due to the operating system limitation, the actual memory size may be less than 4GB for the reservation for system usage under Windows® XP and Windows® Vista™. For Windows® XP 64-bit and Windows® Vista™ 64-bit with 64-bit CPU, there is no such limitation.</p>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>- 8Mb AMI BIOS</li> <li>- AMI Legal BIOS</li> <li>- Supports "Plug and Play"</li> <li>- ACPI 1.1 Compliance Wake Up Events</li> <li>- SMBIOS 2.3.1 Support</li> <li>- CPU, VCCM, NB, SB, VTT Voltage Multi-adjustment</li> <li>- Supports Smart BIOS</li> </ul>
Audio, Video and Networking	
<b>Graphics</b>	<ul style="list-style-type: none"> <li>- Intel® Graphics Media Accelerator X4500</li> </ul>

	<ul style="list-style-type: none"> <li>- Pixel Shader 4.0, DirectX 10</li> <li>- Max. shared memory 1759MB*</li> <li>- Supports D-Sub with max. resolution up to 2048x1536 @ 60Hz</li> </ul> <p>*The shared memory size is dynamically controlled by VGA driver, and the Max. shared memory size will be available only when 4GB or more memory is installed under 64-bit OS.</p>
<b>Audio</b>	- 5.1 CH Windows® Vista™ Premium Level HD Audio (Realtek ALC662 Audio Codec)
<b>LAN</b>	<ul style="list-style-type: none"> <li>- Realtek PCIEx1 LAN 8103EL / 8102EL</li> <li>- Speed: 10/100 Ethernet</li> <li>- Supports Wake-On-LAN</li> </ul>
<b>Expansion / Connectivity</b>	
<b>Slots</b>	<ul style="list-style-type: none"> <li>- 1 x PCI Express x16 slot</li> <li>- 1 x PCI Express x1 slot</li> <li>- 2 x PCI slots</li> </ul>
<b>Connector</b>	<ul style="list-style-type: none"> <li>- 4 x SATAII 3.0 Gb/s connectors (No support for RAID and "Hot Plug" functions)</li> <li>- 1 x ATA100 IDE connector (supports 2 x IDE devices)</li> <li>- 1 x Floppy connector</li> <li>- 1 x Print port header</li> <li>- CPU/Chassis FAN connector</li> <li>- 24 pin ATX power connector</li> <li>- 4 pin 12V power connector</li> <li>- Front panel audio connector</li> <li>- 2 x USB 2.0 headers (support 4 USB 2.0 ports)</li> </ul>
<b>Rear Panel I/O</b>	<p>I/O Panel</p> <ul style="list-style-type: none"> <li>- 1 x PS/2 Mouse Port</li> <li>- 1 x PS/2 Keyboard Port</li> <li>- 1 x Serial Port: COM1</li> <li>- 1 x VGA Port</li> <li>- 4 x Ready-to-Use USB 2.0 Ports</li> <li>- 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED)</li> <li>- HD Audio Jack: Line in / Front Speaker / Microphone</li> </ul>
<b>Other Features / Miscellaneous</b>	
<b>Unique Feature</b>	<ul style="list-style-type: none"> <li>- ASRock OC Tuner</li> <li>- Intelligent Energy Saver</li> <li>- Instant Boot</li> <li>- ASRock Instant Flash</li> <li>- Hybrid Booster: <ul style="list-style-type: none"> <li>- CPU Frequency Stepless Control</li> </ul> </li> <li>- ASRock U-COP</li> <li>- Boot Failure Guard (B.F.G.)</li> </ul>
<b>Support CD</b>	- Drivers, Utilities, AntiVirus Software (Trial Version)
<b>Accessories</b>	<ul style="list-style-type: none"> <li>- Quick Installation Guide, Support CD, I/O Shield</li> <li>- ATA 100 Cable (optional)</li> <li>- 1 x SATA Data Cable (optional)</li> </ul>
<b>Hardware Monitor</b>	<ul style="list-style-type: none"> <li>- CPU Temperature Sensing</li> <li>- Chassis Temperature Sensing</li> <li>- CPU Fan Tachometer</li> <li>- Chassis Fan Tachometer</li> <li>- CPU Quiet Fan</li> <li>- Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore</li> </ul>
<b>Form Factor</b>	- Micro ATX Form Factor: 9.6-in x 7.6-in, 24.4 cm x 19.3 cm
<b>OS</b>	- Microsoft® Windows® 7 / 7 64-bit / Vista™ / Vista™ 64-bit / XP / XP 64-bit / 2000 compliant
<b>Certifications</b>	<ul style="list-style-type: none"> <li>- FCC, CE</li> <li>- EuP Ready (EuP ready power supply is required)</li> </ul>

**Caution:**

Please realize that there is a certain risk involved with overclocking, including adjusting the setting in the BIOS or using the third-party overclocking tools. Overclocking may affect your system stability, or even cause damage to the components and devices of your system. It should be done at your own risk and expense. We are not responsible for possible damage caused by overclocking.

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