

Mainboard Diagram



MI5-G41SGMD3

1. Intel G41 Express Chipset + ICH7 Chipset
2. Intel LGA775 Core2 Processor
3. Integrated Intel GMA X4500 (For DirectX 10)
4. Support FSB 1333/1066MHz
5. Supports Dual DDR3 1066
6. Integrated Serial ATA2 3Gb/s
7. Integrated 10/100 LAN
8. Integrated ALC662 HD Audio CODEC with 6-CH
9. Ready for Windows® Vista™
10. u- ATX Form Factor(180x245mm)



Features and Benefits

LGA775 Intel Core Processor Family Supported

The Intel® Core™ processor family delivers unrivaled performance and breakthrough energy efficiency. For your extreme computing, the Intel core processor family delivers unrivaled performance and breakthrough energy efficiency, to let you enjoy revolutionary performance with vivid, high-definition experiences and multi-tasking responsiveness by state-of-the-art Intel dual-core and quad-core technologies (Core 2 Quad and Core 2 Duo Processors).

INTEL G41 Express Chipset and ICH7 Chipset

The Intel® G41 Express Chipset, with the next-generation Intel® Graphics Media Accelerator X4500 (Intel® GMA X4500), when combined with the Intel® Core™2 processor family, delivers new technologies and innovative capabilities for digital home consumers. With major advancements in video, graphics, responsiveness and scalability, the Intel G41 Express Chipset allows your PC to be the center of home computing, communications, and entertainment. In addition to video, the Intel G41 Express Chipset delivers optimized 3D graphics performance and support for Microsoft DirectX* 10, Shader Model* 4.0 and OpenGL* 2.0. These graphics enhancements deliver the performance and compatibility you need for entertaining everyday game play for the most popular game titles.

Serial ATA2 3Gb/s

This platform supports reliable storage solution for enhanced data protection and data accessing performance. Serial ATA 3Gb/s is firstly introduced in this platform to provide blazingly 3Gb/s bus bandwidth thus higher disk performance.

CPU Vcore 7-Shift / Shift to the scalabilities and flexibilities

The adjustable voltage for CPU Vcore can be upgraded in 64 stages for the precisely hardware dynamic over-clocking of demanding computing performance.

Mainboard Specifications

■ CPU	<ul style="list-style-type: none"> ■ Supports Intel® Core2 processors (Core 2 Quad, Core 2 Duo Processors)
■ Chipset	<ul style="list-style-type: none"> ■ Intel G41 Express Chipset + ICH7 Chipset
■ FSB	<ul style="list-style-type: none"> ■ 1333/1066/800MHz
■ Memory	<ul style="list-style-type: none"> ■ Dual Channel DDR3 memory technology ■ 2* 240-pin DDR3 DIMM slots ■ Supports DDR3 1066 MHz non-ECC ,un-buffered memory ■ Max.8GB
■ Expansion Slots	<ul style="list-style-type: none"> ■ 2 * 32-bit PCI Slots ■ 1 * PCI Express x16 slot by 16-lane ■ 1 * PCI Expressx1 slot
■ Storage	<p>Embedded INTEL ICH7 Chipset:</p> <ul style="list-style-type: none"> ■ 4 * Serial ATA2 3Gb/s connectors ■ 1 * Ultra DMA 133 / 100 / 66 IDE connector
■ Audio	<ul style="list-style-type: none"> ■ Realtek ALC662 HD Audio CODEC with 6-Channel
■ Ethernet LAN	<ul style="list-style-type: none"> ■ Realtek RT8103EL PCI-E 10/100 LAN
■ USB	<ul style="list-style-type: none"> ■ Embedded 8 * USB 2.0/1.1
■ Special Features	<ul style="list-style-type: none"> ■ Advanced Power Design that supports the latest LGA 775 Core Processor
■ Rear Panel I / O	<ul style="list-style-type: none"> ■ 4 * USB 2.0/1.1 ports ■ 1 * PS/2 mouse port & 1 * PS/2 keyboard port ■ 1 * RJ-45 LAN port ■ 1 * Audio I/O ports ■ 1 * VGA port ■ 1 * COM port
■ Internal I / O	<ul style="list-style-type: none"> ■ 2 * USB 2.0/1.1 headers for 4 USB 2.0/1.1 ports ■ CPU / Chassis Fan connectors ■ 1 * 4-pin ATX 12V Power connector ■ 1 * 24-pin ATX Power connector ■ 1 * parallel header ■ CD / AUX Audio in ■ Front panel audio connector ■ 1 * HDMI_SPDIF header ■ 1 * IR header & 1 * Floppy connector
■ BIOS	<ul style="list-style-type: none"> ■ AMI 8MB DIP Flash ROM
■ Form Factor	<ul style="list-style-type: none"> ■ U- ATX Form Factor (180mm X 245mm)

