

Mainboard Diagram

MI5-G41SGMD3V2



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 1066/800
6. Integrated Serial ATA2 3Gb/s
7. Integrated 10/100M LAN
8. Integrated Audio CODEC with 6-CH
9. Onboard VGA
10. Ready for Windows® 7
11. u- ATX Form Factor(210x245mm)



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.

Mainboard Specifications

■ CPU	■ Supports Intel® Core2 processors (Core 2 Quad, Core 2 Duo Processors)
■ Chipset	■ Intel G41 Express Chipset + ICH7 Chipset
■ FSB	■ 1333/1066/800MHz
■ Memory	<ul style="list-style-type: none"> ■ Dual Channel DDR3 memory technology ■ 2 * 240-pin DDR3 DIMM slots ■ Supports DDR3 1066/800MHz non-ECC ,un-buffered memory ■ Max.4GB
■ Expansion Slots	<ul style="list-style-type: none"> ■ 2 * 32-bit PCI Slots ■ 1 * PCI Express x16 slot by 16-lane
■ Storage	Embedded INTEL ICH7 Chipset: <ul style="list-style-type: none"> ■ 4 * Serial ATA2 3Gb/s connectors ■ 1 * Ultra DMA 100/66 IDE connector
■ Audio	■ VIA1705 Audio CODEC with 6-Channel
■ Ethernet LAN	■ Realtek RT8103E PCI-E 10/100MLAN
■ USB	■ Embedded 8 * USB 2.0/1.1
■ Special Features	■ 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 por
■ 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 ■ CD / AUX Audio in ■ Front panel audio connector ■ 1 * HDMI_SPDIF header ■ 1 * IR header & 1 * COM header ■ 1 * Ultra DMA 100 / 66 IDE connector
■ BIOS	■ AMI 8MB SMT Flash ROM
■ Form Factor	■ U- ATX Form Factor (210mm X 245mm)