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GA-G41MT-ES2L (rev. 1.0)

Intel ® G41 + ICH7 Chipset

Print

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Product Comparison

Where to buy

CPU Support List

Memory Support List

Accessory Optional

Intel Socket 2011
Intel Socket 1366
Intel Socket 1155
Intel Socket 1156
Intel Socket 775
Intel BGA 559

AMD Socket FM1
AMD Socket AM3+
AMD Socket AM3
AMD Socket AM2+
AMD Socket AM2
AMD BGA FT1

>> Other Sockets

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Downloads

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CPU	1. Support for an Intel ® Core™ 2 Extreme processor/ Intel ® Core™ 2 Quad processor/Intel ® Core™ 2 Duo processor/ Intel ® Pentium ® processor /Intel ® Celeron ® processor in the LGA 775 package 2. L2 cache varies with CPU
Front Side Bus	1. 1333/1066/800 MHz FSB
Chipset	1. North Bridge: Intel ® G41 Chipset 2. South Bridge: Intel ® ICH7
Memory	1. 2 x 1.5V DDR3 DIMM sockets supporting up to 8 GB of system memory (Note 1) 2. Dual channel memory architecture 3. Support for DDR3 1066/800 MHz memory modules
Onboard Graphics	Integrated in the North Bridge: 1. 1 x D-Sub port
Audio	1. Realtek ALC888B codec 2. High Definition Audio 3. 2/4/5.1/7.1-channel (Note 2) 4. Support for S/PDIF In/Out 5. Support for CD In
LAN	1. Realtek RTL8111D chip (10/100/1000 Mbit)
Expansion Slots	1. 1 x PCI Express x16 slot, running at x 16 2. 1 x PCI Express x1 slot 3. 2 x PCI slots
Storage Interface	South Bridge: 1. 1 x IDE connector supporting ATA-100/66/33 and up to 2 IDE devices 2. 4 x SATA 3Gb/s connectors supporting up to 4 SATA 3Gb/s devices iTE IT8718 chip: 1. 1 x floppy disk drive connector supporting up to 1 floppy disk drive
USB	1. Integrated in the South Bridge 2. Up to 8 USB 2.0/1.1 ports (4 on the back panel, 4 via the USB brackets connected to the internal USB headers)
Internal I/O Connectors	1. 1 x 24-pin ATX main power connector 2. 1 x 4-pin ATX 12V power connector 3. 1 x floppy disk drive connector 4. 1 x IDE connector 5. 4 x SATA 3Gb/s connectors 6. 1 x CPU fan header 7. 1 x system fan header 8. 1 x front panel header 9. 1 x front panel audio header 10. 1 x CD In connector 11. 1 x S/PDIF In /Out header 12. 2 x USB 2.0/1.1 headers 13. 1 x serial port header 14. 1 x clearing CMOS jumper
Back Panel Connectors	1. 1 x PS/2 keyboard port 2. 1 x PS/2 mouse port 3. 1 x parallel port 4. 1 x serial port 5. 1 x D-Sub port 6. 4 x USB 2.0/1.1 ports 7. 1 x RJ-45 port 8. 3 x audio jacks (Line In/Line out/Microphone)
I/O Controller	1. iTE IT8718 chip
H/W Monitoring	1. System voltage detection 2. CPU/System temperature detection 3. CPU/System fan speed detection 4. CPU overheating warning 5. CPU/System fan fail warning 6. CPU fan speed control (Note 3)
BIOS	1. 2 x 8 Mbit flash 2. Use of licensed AWARD BIOS 3. Support for DualBIOS™ 4. PnP 1.0a, DMI 2.0, SM BIOS 2.4, ACPI 1.0b
Unique Features	1. Support for @BIOS 2. Support for Q-Flash 3. Support for Xpress BIOS Rescue 4. Support for Download Center 5. Support for Xpress Install 6. Support for Xpress Recovery2 7. Support for EasyTune (Note 4) 8. Support for Easy Energy Saver (Note 5) 9. Support for Time Repair 10. Support for Q-Share
Bundle Software	1. Norton Internet Security (OEM version)
Operating System	1. Support for Microsoft ® Windows Vista/XP
Form Factor	1. Micro ATX Form Factor; 24.4cm x 19.4cm
Remark	1. Due to different Linux support condition provided by chipset vendors, please download Linux driver from chipset vendors' website or 3rd party website. 2. Most hardware/software vendors may no longer offer drivers to support Win9X/ME/2000/XP SP1/SP2. If drivers are available from the vendors, we will update them on the GIGABYTE website.
Note	(Note 1) Due to Windows Vista/XP 32-bit operating system limitation, when more than 4 GB of physical memory is installed, the actual memory size displayed will be less than 4 GB. (Note 2) To configure 7.1-channel audio, you need connect with the port of HD Audio standard via front panel and enable the multi-channel audio feature through the audio driver. (Note 3) Whether the CPU fan speed control function is supported will depend on the CPU you install. (Note 4) Available functions in EasyTune may differ by motherboard model. (Note 5) Due to the hardware limitation, you must install the Intel ® Core™ 2 Extreme/ Core™ 2 Quad/ Core™ 2 Duo/ Pentium Dual-Core/ Celeron Dual-Core/ Celeron 400 Series CPU to enable support for Easy Energy Saver.

* The entire materials provided herein are for reference only. GIGABYTE reserves the right to modify or revise the content at anytime without prior notice.
* Advertised performance is based on maximum theoretical interface values from respective Chipset vendors or organization who defined the interface specification. Actual performance may vary by system configuration.
* All trademarks and logos are the properties of their respective holders.
* Due to standard PC architecture, a certain amount of memory is reserved for system usage and therefore the actual memory size is less than the stated amount.

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