

GA-H61MA-D3V (rev. 2.0)

Intel® H61 Chipset



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Overview

Specification

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CPU	<ol style="list-style-type: none">1. Support for Intel® Core™ i7 processors/Intel® Core™ i5 processors/ Intel® Core™ i3 processors/Intel® Pentium® processors/Intel® Celeron® processors in the LGA1155 package2. L3 cache varies with CPU <p>(Some Intel® Core™ processors require a graphic card, please refer "CPU support List" for more information.)</p>
Chipset	<ol style="list-style-type: none">1. Intel® H61 Express Chipset
Memory	<ol style="list-style-type: none">1. 2 x 1.5V DDR3 DIMM sockets supporting up to 16 GB of system memory<ul style="list-style-type: none">* Due to Windows 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.2. Dual channel memory architecture3. Support for DDR3 1333/1066/800 MHz memory modules4. Support for non-ECC memory modules <p>(Please refer "Memory Support List" for more information.)</p>
Onboard Graphics	<p>Integrated Graphics Processor:</p> <ol style="list-style-type: none">1. 1 x D-Sub port2. 1 x DVI-D port, supporting a maximum resolution of 1920x1200<ul style="list-style-type: none">* The DVI-D port does not support D-Sub connection by adapter.
Audio	<ol style="list-style-type: none">1. Realtek ALC887 audio codec2. High Definition Audio3. 2/4/5.1/7.1-channel <p>* To enable 7.1-channel audio, you have to use an HD front panel audio module and enable the multi-channel audio feature through the audio driver.</p>
LAN	<ol style="list-style-type: none">1. 1 x Realtek 8111E/8111F chip (10/100/1000 Mbit)
Expansion Slots	<ol style="list-style-type: none">1. 1 x PCI Express x16 slot, running at x16 (The PCI Express x16 slot conforms to PCI Express 3.0 standard.)<ul style="list-style-type: none">* To support PCI Express 3.0, you must install an Intel 22nm CPU.2. 3 x PCI Express x1 slots (The PCI Express x1 slots conform to PCI Express 2.0 standard.)
Storage Interface	<p>Chipset:</p> <ol style="list-style-type: none">1. 4 x SATA 3Gb/s connectors (SATA2 0/1/2/3) supporting up to 4 SATA 3Gb/s devices <p>Marvell 88SE9172 chip:</p> <ol style="list-style-type: none">1. 2 x SATA 6Gb/s connectors (GSATA3 0/1) supporting up to 2 SATA 6Gb/s devices2. Support for RAID 0 and RAID 1
	<p>Chipset:</p>

USB	<ol style="list-style-type: none"> Up to 8 USB 2.0/1.1 ports (4 ports on the back panel, 4 ports available through the internal USB headers) <p>Etron EJ168 chip:</p> <ol style="list-style-type: none"> Up to 2 USB 3.0/2.0 ports on the back panel
Internal I / O Connectors	<ol style="list-style-type: none"> 1 x 24-pin ATX main power connector 1 x 4-pin ATX 12V power connector 4 x SATA 3Gb/s connectors 2 x SATA 6Gb/s connectors 1 x CPU fan header 1 x system fan header 1 x front panel header 1 x front panel audio header 2 x USB 2.0/1.1 headers 1 x Clear CMOS jumper
Back Panel Connectors	<ol style="list-style-type: none"> 1 x PS/2 keyboard/mouse port 1 x D-Sub port 1 x DVI-D port 4 x USB 2.0/1.1 ports 2 x USB 3.0/2.0 ports 1 x RJ-45 port 3 x audio jacks (Line In/Line Out/Microphone)
I / O Controller	<ol style="list-style-type: none"> ITE IT8728 chip
H / W Monitoring	<ol style="list-style-type: none"> System voltage detection CPU/System temperature detection CPU/System fan speed detection CPU overheating warning CPU/System fan fail warning CPU/System fan speed control <p>* Whether the CPU/system fan speed control function is supported will depend on the CPU/system cooler you install.</p>
BIOS	<ol style="list-style-type: none"> 2 x 32 Mbit flash Use of licensed AMI EFI BIOS Support for DualBIOS™ PnP 1.0a, DMI 2.0, SM BIOS 2.6, ACPI 2.0a
Bundle Software	<ol style="list-style-type: none"> Norton Internet Security (OEM version)
Unique Features	<ol style="list-style-type: none"> Support for @BIOS Support for Q-Flash Support for Xpress Recovery2 Support for EasyTune <p>* Available functions in EasyTune may differ by motherboard model.</p> <ol style="list-style-type: none"> Support for ON/OFF Charge
Operating System	<ol style="list-style-type: none"> Support for Microsoft® Windows 7/Vista/XP
Form Factor	<ol style="list-style-type: none"> Micro ATX Form Factor; 24.4cm x 17.4cm
Remark	<ol style="list-style-type: none"> Due to different Linux support condition provided by chipset vendors, please download Linux driver from chipset vendors' website or 3rd party website. 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.

* 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.

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* 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.