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- [Productos »](#)
- [Soporte y Descargas »](#)
- [Dónde Comprar](#)
- [Medios](#)

Inicio > Productos > Motherboard > Socket 1150 > [GA-H81M-DS2 \(rev. 2.0\)](#)

GA-H81M-DS2 (rev. 2.0)

Intel® H81 Chipset [Imprimir](#)

Dónde Comprar

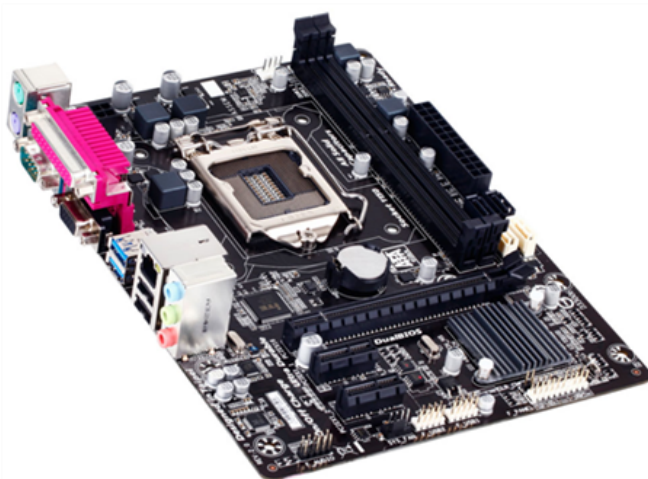


Lasting Quality from GIGABYTE

- Soporta los procesadores Intel® Core™ de 4ta generación
- Tecnología Ultra Durable™ 4 Plus de GIGABYTE
- UEFI DualBIOS™ de GIGABYTE
- Puertos USB 3.0 con 3x USB power de GIGABYTE
- On/Off Charge™ para dispositivos USB de GIGABYTE
- LAN con alta protección ESD
- Puertos LPT, COM, D-SUB en el panel trasero
- Diseño solo con capacitores sólidos

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Procesador	<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 LGA1150 package 2. L3 cache varies with CPU <p>(Please refer "CPU Support List" for more information.)</p>
Chipset	<ol style="list-style-type: none"> 1. Intel® H81 Express Chipset
Memoria	<ol style="list-style-type: none"> 1. 2 x 1.5V DDR3 DIMM sockets supporting up to 16 GB of system memory * Due to a 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 the size of the physical memory installed. 2. Dual channel memory architecture 3. Support for DDR3 1600/1333 MHz memory modules 4. Support for non-ECC memory modules 5. Support for Extreme Memory Profile (XMP) memory modules <p>(Please refer "Memory Support List" for more information.)</p>

Gráficos Integrados	<p>Integrated Graphics Processor:</p> <ol style="list-style-type: none"> 1 x D-Sub port, supporting a maximum resolution of 1920x1200 2. Maximum shared memory of 1 GB
Audio	<ol style="list-style-type: none"> 1. Realtek® ALC887 codec 2. High Definition Audio 3. 2/4/5.1/7.1-channel <p>* To configure 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. Realtek® GbE LAN chip (10/100/1000 Mbit)
Puertos de Expansión	<ol style="list-style-type: none"> 1. 1 x PCI Express x16 slot, running at x16 2. 2 x PCI Express x1 slots <p>(The PCI Express slots conform to PCI Express 2.0 standard.)</p>
Interfaz de Almacenamiento	<p>Chipset:</p> <ol style="list-style-type: none"> 1. 2 x SATA 6Gb/s connectors (SATA3 0/1) 2. 2 x SATA 3Gb/s connectors (SATA2 2/3)
USB	<p>Chipset:</p> <ol style="list-style-type: none"> 1. 2 x USB 3.0/2.0 ports on the back panel 2. 6 x USB 2.0/1.1 ports (2 ports on the back panel, 4 ports available through the internal USB headers)
Conectores Internos de E/S	<ol style="list-style-type: none"> 1. 1 x 24-pin ATX main power connector 2. 1 x 4-pin ATX 12V power connector 3. 2 x SATA 6Gb/s connectors 4. 2 x SATA 3Gb/s connectors 5. 1 x CPU fan header 6. 1 x system fan header 7. 1 x front panel header 8. 1 x front panel audio header 9. 2 x USB 2.0/1.1 headers 10. 1 x Clear CMOS jumper
Conectores del Panel Trasero	<ol style="list-style-type: none"> 1. 1 x PS/2 mouse port 2. 1 x PS/2 Keyboard port 3. 1 x parallel port 4. 1 x serial port 5. 1 x D-Sub port 6. 2 x USB 3.0/2.0 ports 7. 2 x USB 2.0/1.1 ports 8. 1 x RJ-45 port 9. 3 x audio jacks (Line In, Line Out, Mic In)
Controlador de E/S	<ol style="list-style-type: none"> 1. iTE® I/O Controller Chip

Monitorización H/W	<ol style="list-style-type: none"> 1. System voltage detection 2. CPU/System temperature detection 3. CPU/System fan speed detection 4. CPU/System overheating warning 5. CPU/System fan fail warning 6. CPU/System fan speed control <p>* Whether the fan speed control function is supported will depend on the cooler you install.</p>
BIOS	<ol style="list-style-type: none"> 1. 2 x 32 Mbit flash 2. Use of licensed AMI EFI BIOS 3. Support for DualBIOS™ 4. PnP 1.0a, DMI 2.0, SM BIOS 2.6, ACPI 2.0a
Características Únicas	<ol style="list-style-type: none"> 1. Support for Q-Flash 2. Support for Xpress Install 3. Support for APP Center <p>* Available applications in APP Center may differ by motherboard model. Supported functions of each application may also differ depending on motherboard specifications.</p> <p>@BIOS</p> <p>EasyTune</p> <p>EZ Setup</p> <p>USB Blocker</p> <p>Smart TimeLock</p> <p>Smart Recovery 2</p> <ol style="list-style-type: none"> 4. Support for ON/OFF Charge
Software Incluido	<ol style="list-style-type: none"> 1. Norton® Internet Security (OEM version)
Sistema Operativo	<ol style="list-style-type: none"> 1. Support for Windows 8.1/8/7
Diseño	<ol style="list-style-type: none"> 1. Micro ATX Form Factor; 22.6cm x 17cm
Otras Descripciones	<ol style="list-style-type: none"> 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. If drivers are available from the vendors, we will update them on the GIGABYTE website.

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Socket 1150 - Intel H81 - GA-H81M-DS2 (rev. 1.0)

N/A = Not support

Socket 1150										
Motherboard									Model	GA-H81M-DS2
									PCB	1.0
vendor	CPU Model	Frequency	L3 Cache	GPU Frequency	Core Name	Process	Stepping	Wattage	BCLK	Since BIOS Version
Intel	Core i7-4790K	4.00GHz	8MB	350 MHz / 1300 MHz	Haswell Refresh	22nm	C0	88W	100	F5
Intel	Core i7-4790	3.60GHz	8MB	350 MHz / 1300 MHz	Haswell Refresh	22nm	C0	84W	100	F5
Intel	Core i7-4790S	3.20GHz	8MB	350 MHz / 1300 MHz	Haswell Refresh	22nm	C0	65W	100	F5
Intel	Core i7-4790T	2.70GHz	8MB	350 MHz / 1300 MHz	Haswell Refresh	22nm	C0	45W	100	F5
Intel	Core i7-4785T	2.20GHz	8MB	350 MHz / 1300 MHz	Haswell Refresh	22nm	C0	35W	100	F5
Intel	Core i7-4771	3.50GHz	8MB	350 MHz / 1300 MHz	Haswell	22nm	C0	84W	100	F5
Intel	Core i7-4770	3.40GHz	8MB	350 MHz / 1300 MHz	Haswell	22nm	C0	84W	100	F5
Intel	Core i7-4770K	3.50GHz	8MB	350 MHz / 1300 MHz	Haswell	22nm	C0	84W	100	F5
Intel	Core i7-4770S	3.10GHz	8MB	350 MHz / 1300 MHz	Haswell	22nm	C0	65W	100	F5
Intel	Core i7-4770T	2.50GHz	8MB	350 MHz / 1300 MHz	Haswell	22nm	C0	45W	100	F5
Intel	Core i7-4765T	2.00GHz	8MB	350 MHz / 1300 MHz	Haswell	22nm	C0	35W	100	F5
Intel	Core i5-4690	3.50GHz	6MB	350 MHz / 1300 MHz	Haswell Refresh	22nm	C0	84W	100	F5
Intel	Core i5-4690K	3.50GHz	6MB	350 MHz / 1300 MHz	Haswell Refresh	22nm	C0	88W	100	F5
Intel	Core i5-4690S	3.20GHz	6MB	350 MHz / 1300 MHz	Haswell Refresh	22nm	C0	65W	100	F5
Intel	Core i5-4690T	2.50GHz	6MB	350 MHz / 1300 MHz	Haswell Refresh	22nm	C0	45W	100	F5
Intel	Core i5-4670	3.40GHz	6MB	350 MHz / 1300 MHz	Haswell	22nm	C0	84W	100	F5
Intel	Core i5-4670K	3.40GHz	6MB	350 MHz / 1300 MHz	Haswell	22nm	C0	84W	100	F5
Intel	Core i5-4670S	3.10GHz	6MB	350 MHz / 1300 MHz	Haswell	22nm	C0	65W	100	F5
Intel	Core i5-4670T	2.30GHz	6MB	350 MHz / 1300 MHz	Haswell	22nm	C0	45W	100	F5
Intel	Core i5-4590	3.30GHz	6MB	350 MHz / 1250 MHz	Haswell Refresh	22nm	C0	84W	100	F5
Intel	Core i5-4590S	3.00GHz	6MB	350 MHz / 1250 MHz	Haswell Refresh	22nm	C0	65W	100	F5

Intel	Core i5-4590T	2.00GHz	6MB	350 MHz / 1250 MHz	Haswell Refresh	22nm	C0	35W	100	F5
Intel	Core i5-4570	3.20GHz	6MB	350 MHz / 1250 MHz	Haswell	22nm	C0	84W	100	F5
Intel	Core i5-4570S	2.90GHz	6MB	350 MHz / 1250 MHz	Haswell	22nm	C0	65W	100	F5
Intel	Core i5-4570T	2.90GHz	4MB	350 MHz / 1100 MHz	Haswell	22nm	C0	35W	100	F5
Intel	Core i5-4460	3.20GHz	6MB	350 MHz / 1200 MHz	Haswell Refresh	22nm	C0	84W	100	F5
Intel	Core i5-4460S	2.90GHz	6MB	350 MHz / 1200 MHz	Haswell Refresh	22nm	C0	65W	100	F5
Intel	Core i5-4460T	1.90GHz	6MB	350 MHz / 1200 MHz	Haswell Refresh	22nm	C0	35W	100	F5
Intel	Core i5-4440	3.10GHz	6MB	350 MHz / 1200 MHz	Haswell	22nm	C0	84W	100	F5
Intel	Core i5-4440S	2.80GHz	6MB	350 MHz / 1200 MHz	Haswell	22nm	C0	65W	100	F5
Intel	Core i5-4430	3.00GHz	6MB	350 MHz / 1200 MHz	Haswell	22nm	C0	84W	100	F5
Intel	Core i5-4430S	2.70GHz	6MB	350 MHz / 1200 MHz	Haswell	22nm	C0	65W	100	F5
Intel	Core i3-4370	3.80GHz	4MB	350 MHz / 1250 MHz	Haswell Refresh	22nm	C0	54W	100	F5
Intel	Core i3-4370T	3.30GHz	4MB	350 MHz / 1250 MHz	Haswell Refresh	22nm	C0	35W	100	F5
Intel	Core i3-4360	3.70GHz	4MB	350 MHz / 1250 MHz	Haswell Refresh	22nm	C0	54W	100	F5
Intel	Core i3-4360T	3.20GHz	4MB	350 MHz / 1100 MHz	Haswell Refresh	22nm	C0	35W	100	F5
Intel	Core i3-4350	3.60GHz	4MB	350 MHz / 1250 MHz	Haswell Refresh	22nm	C0	54W	100	F5
Intel	Core i3-4350T	3.10GHz	4MB	350 MHz / 1100 MHz	Haswell Refresh	22nm	C0	35W	100	F5
Intel	Core i3-4340	3.60GHz	4MB	350 MHz / 1250 MHz	Haswell	22nm	C0	54W	100	F5
Intel	Core i3-4330	3.50GHz	4MB	350 MHz / 1250 MHz	Haswell	22nm	C0	54W	100	F5
Intel	Core i3-4330T	3.00GHz	4MB	350 MHz / 1100 MHz	Haswell	22nm	C0	35W	100	F5
Intel	Core i3-4170	3.70GHz	3MB	350 MHz / 1250 MHz	Haswell Refresh	22nm	C0	54W	100	F5
Intel	Core i3-4170T	3.20GHz	3MB	350 MHz / 1100 MHz	Haswell Refresh	22nm	C0	35W	100	F5
Intel	Core i3-4160	3.60GHz	3MB	350 MHz / 1250 MHz	Haswell Refresh	22nm	C0	54W	100	F5
Intel	Core i3-4160T	3.10GHz	3MB	350 MHz / 1100 MHz	Haswell Refresh	22nm	C0	35W	100	F5
Intel	Core i3-4150	3.50GHz	3MB	350 MHz / 1250 MHz	Haswell Refresh	22nm	C0	54W	100	F5
Intel	Core i3-4150T	3.00GHz	3MB	350 MHz / 1100 MHz	Haswell Refresh	22nm	C0	35W	100	F5
Intel	Core i3-4130	3.40GHz	3MB	350 MHz / 1250 MHz	Haswell	22nm	C0	54W	100	F5
	Core i3-4130T			350 MHz / 1100						

Intel		2.90GHz	3MB	MHz	Haswell	22nm	C0	35W	100	F5
Intel	Pentium G3470	3.60GHz	3MB	350 MHz / 1200 MHz	Haswell Refresh	22nm	C0	53W	100	F5
Intel	Pentium G3460	3.50GHz	3MB	350 MHz / 1200 MHz	Haswell Refresh	22nm	C0	53W	100	F5
Intel	Pentium G3460T	3.00GHz	3MB	350 MHz / 1200 MHz	Haswell Refresh	22nm	C0	35W	100	F5
Intel	Pentium G3450	3.40GHz	3MB	350 MHz / 1200 MHz	Haswell Refresh	22nm	C0	53W	100	F5
Intel	Pentium G3450T	2.90GHz	3MB	300 MHz / 1100 MHz	Haswell Refresh	22nm	C0	35W	100	F5
Intel	Pentium G3440	3.30GHz	3MB	350 MHz / 1200 MHz	Haswell Refresh	22nm	C0	53W	100	F5
Intel	Pentium G3440T	2.80GHz	3MB	300 MHz / 1100 MHz	Haswell Refresh	22nm	C0	35W	100	F5
Intel	Pentium G3430	3.30GHz	3MB	350 MHz / 1200 MHz	Haswell	22nm	C0	54W	100	F5
Intel	Pentium G3420	3.20GHz	3MB	350 MHz / 1200 MHz	Haswell	22nm	C0	54W	100	F5
Intel	Pentium G3420T	2.70GHz	3MB	300 MHz / 1100 MHz	Haswell	22nm	C0	35W	100	F5
Intel	Pentium G3260	3.30GHz	3MB	350 MHz / 1200 MHz	Haswell	22nm	C0	53W	100	F5
Intel	Pentium G3260T	2.90GHz	3MB	300 MHz / 1100 MHz	Haswell	22nm	C0	35W	100	F5
Intel	Pentium G3258	3.20GHz	3MB	350 MHz / 1200 MHz	Haswell Refresh	22nm	C0	53W	100	F5
Intel	Pentium G3250	3.20GHz	3MB	350 MHz / 1200 MHz	Haswell Refresh	22nm	C0	53W	100	F5
Intel	Pentium G3250T	2.80GHz	3MB	300 MHz / 1100 MHz	Haswell Refresh	22nm	C0	35W	100	F5
Intel	Pentium G3240	3.10GHz	3MB	350 MHz / 1200 MHz	Haswell Refresh	22nm	C0	53W	100	F5
Intel	Pentium G3240T	2.70GHz	3MB	300 MHz / 1100 MHz	Haswell Refresh	22nm	C0	35W	100	F5
Intel	Pentium G3220	3.00GHz	3MB	350 MHz / 1200 MHz	Haswell	22nm	C0	54W	100	F5
Intel	Pentium G3220T	2.60GHz	3MB	300 MHz / 1100 MHz	Haswell	22nm	C0	35W	100	F5
Intel	Celeron G1850	2.90GHz	2MB	350 MHz / 1150 MHz	Haswell Refresh	22nm	C0	53W	100	F5
Intel	Celeron G1840	2.80GHz	2MB	350 MHz / 1150 MHz	Haswell Refresh	22nm	C0	53W	100	F5
Intel	Celeron G1840T	2.40GHz	2MB	200 MHz / 1150 MHz	Haswell Refresh	22nm	C0	35W	100	F5
Intel	Celeron G1830	2.80GHz	2MB	350 MHz / 1150 MHz	Haswell	22nm	C0	53W	100	F5
Intel	Celeron G1820	2.70GHz	2MB	350 MHz / 1150 MHz	Haswell	22nm	C0	53W	100	F5
Intel	Celeron G1820T	2.40GHz	2MB	200 MHz / 1150 MHz	Haswell	22nm	C0	35W	100	F5
Intel	Xeon E3-1286 V3	3.70GHz	8MB	300 MHz / 1150 MHz	Haswell Refresh	22nm	C0	84W	100	F5
Intel	Xeon E3-1286L	3.20GHz	8MB	350 MHz / 1300	Haswell	22nm	C0	65W	100	F5

	V3			MHz	Refresh					
Intel	Xeon E3-1285v3	3.60GHz	8MB	300 MHz / 1150 MHz	Haswell	22nm	C0	84W	100	F5
Intel	Xeon E3-1285Lv3	3.10GHz	8MB	350 MHz / 1300 MHz	Haswell	22nm	C0	65W	100	F5
Intel	Xeon E3-1276 V3	3.60GHz	8MB	350 MHz / 1300 MHz	Haswell Refresh	22nm	C0	84W	100	F5
Intel	Xeon E3-1275v3	3.50GHz	8MB	350 MHz / 1300 MHz	Haswell	22nm	C0	84W	100	F5
Intel	Xeon E3-1275L V3	2.70GHz	4MB	350 MHz / 1300 MHz	Haswell Refresh	22nm	C0	45W	100	F5
Intel	Xeon E3-1265Lv3	2.50GHz	8MB	350 MHz / 1300 MHz	Haswell	22nm	C0	45W	100	F5
Intel	Xeon E3-1246 V3	3.50GHz	8MB	350 MHz / 1300 MHz	Haswell Refresh	22nm	C0	84W	100	F5
Intel	Xeon E3-1245v3	3.40GHz	8MB	350 MHz / 1300 MHz	Haswell	22nm	C0	84W	100	F5
Intel	Xeon E3-1226 V3	3.30GHz	8MB	350 MHz / 1300 MHz	Haswell Refresh	22nm	C0	84W	100	F5
Intel	Xeon E3-1225v3	3.20GHz	8MB	350 MHz / 1300 MHz	Haswell	22nm	C0	84W	100	F5
Intel	Xeon E3-1281 V3	3.70GHz	8MB	N/A	Haswell Refresh	22nm	C0	80W	100	F5
Intel	Xeon E3-1280v3	3.60GHz	8MB	N/A	Haswell	22nm	C0	80W	100	F5
Intel	Xeon E3-1271 V3	3.60GHz	8MB	N/A	Haswell Refresh	22nm	C0	80W	100	F5
Intel	Xeon E3-1270v3	3.50GHz	8MB	N/A	Haswell	22nm	C0	80W	100	F5
Intel	Xeon E3-1241 V3	3.50GHz	8MB	N/A	Haswell Refresh	22nm	C0	80W	100	F5
Intel	Xeon E3-1240v3	3.40GHz	8MB	N/A	Haswell	22nm	C0	80W	100	F5
Intel	Xeon E3-1240L V3	2.00GHz	8MB	N/A	Haswell Refresh	22nm	C0	25W	100	F5
Intel	Xeon E3-1231 V3	3.40GHz	8MB	N/A	Haswell Refresh	22nm	C0	80W	100	F5
Intel	Xeon E3-1230v3	3.30GHz	8MB	N/A	Haswell	22nm	C0	80W	100	F5
Intel	Xeon E3-1230Lv3	1.80GHz	8MB	N/A	Haswell	22nm	C0	25W	100	F5
Intel	Xeon E3-1220v3	3.10GHz	8MB	N/A	Haswell	22nm	C0	80W	100	F5