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# GIGABYTE H610M S2H V2 DDR4 Motherboard - Supports Intel Core 14th CPUs, 6+1+1 Hybrid Phases Digital VRM, up to 3200MHz DDR4 (OC), 1xPCIe 3.0 M.2, GbE LAN, USB 3.2 Gen 1

**Brand :** GIGABYTE

**Product code:** H610M S2H V2 DDR4

**Product name :** H610M S2H V2 DDR4 Motherboard - Supports Intel Core 14th CPUs, 6+1+1 Hybrid Phases Digital VRM, up to 3200MHz DDR4 (OC), 1xPCIe 3.0 M.2, GbE LAN, USB 3.2 Gen 1

- Supports Intel Core 14th/ 13th /12th processors
- Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs
- 6+1+1 Hybrid Digital VRM Design
- GbE LAN with Bandwidth Management
- NVMe PCIe 3.0 x4 M.2
- DisplayPort / HDMI / DVI-D / D-Sub Ports for Multiple Display
- High Quality Audio Capacitors and Audio Noise Guard
- Smart Fan 6 Features Multiple Temperature Sensors , Hybrid Fan Headers with FAN STOP
- GIGABYTE APP Center, Simple and Easy Use
- Anti-Sulfur Resistors Design

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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge

| Processor | |
|---|---|
| Processor manufacturer * | Intel |
| Processor socket * | LGA 1700 |
| Compatible processor series * | Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold |
| Maximum number of SMP processors | 1 |
| Supported processor sockets | LGA 1700 |
| Maximum internal memory supported by processor | 64 GB |

| Memory | |
|---|---|
| Supported memory types * | DDR4-SDRAM |
| Number of memory slots * | 2 |
| Memory slots type | DIMM |
| Memory channels | Dual-channel |
| ECC compatibility | ECC & Non-ECC |
| Supported memory clock speeds | 2133,2400,2666,2933,3000,3200 MHz |
| Supported memory clock speed (max) | 3200 MHz |
| Maximum internal memory * | 64 GB |
| Supported memory module capacities | 1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB |
| Unbuffered memory | ✔ |

| Storage controllers | |
|---|---|
| Supported storage drive types | HDD & SSD |
| Supported storage drive interfaces * | M.2, SATA |
| Number of HDDs supported | 4 |

| Rear panel I/O ports | |
|---|---|
| VGA (D-Sub) ports quantity * | 1 |
| HDMI ports quantity * | 1 |
| DVI-D ports quantity * | 1 |
| DisplayPorts quantity | 1 |
| Headphone outputs | 1 |
| Microphone in | ✔ |

| Network | |
|---|---|
| Ethernet LAN | ✔ |
| Ethernet interface type | Gigabit Ethernet |
| Wi-Fi * | ✘ |

| Features | |
|---|---|
| Motherboard chipset * | Intel H610 Express |
| Audio output channels * | 7.1 channels |
| Product colour | Brown |
| PC health monitoring | Fan, LED, Temperature, Voltage, Water cooling |
| Component for * | PC |
| Motherboard form factor * | micro ATX |
| Motherboard chipset family * | Intel |
| Cooling type | Active |
| Power source type | ATX |
| Windows operating systems supported | Windows 10 x64, Windows 11 x64 |

| Expansion slots | |
|---|---|
| PCI Express x1 slots | 1 |
| PCI Express x16 slots | 1 |
| Number of M.2 (M) slots | 1 |

| Storage controllers | |
|---|---|
| Number of storage drives supported | 5 |

| Graphics | |
|---|---|
| On-board graphics card | ✔ |
| Graphics card family | Intel |
| Graphics card | HD Graphics |
| HDCP | ✔ |
| DirectX version | 12.0 |
| On-board graphics card model | Intel® HD Graphics |

| Internal I/O | |
|---|---|
| USB 2.0 connectors * | 2 |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 1 |
| Number of SATA III connectors * | 4 |
| Total number of SATA connectors | 4 |
| Front panel audio connector | ✔ |
| Front panel connector | ✔ |
| ATX Power connector (24-pin) | ✔ |
| CPU fan connector | ✔ |
| Number of chassis fan connectors | 2 |
| EPS power connector (8-pin) | ✔ |
| Number of COM connectors | 1 |
| TPM connector | ✔ |
| Serial port headers | 1 |
| 12V power connector | ✔ |
| RGB LED pin header | ✔ |

| Rear panel I/O ports | |
|---|---|
| USB 2.0 ports quantity * | 4 |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 |
| Ethernet LAN (RJ-45) ports * | 1 |
| PS/2 ports quantity | 2 |

| BIOS | |
|---|---|
| BIOS type * | UEFI AMI |
| BIOS memory size | 128 Mbit |
| ACPI version | 5.0 |
| Clear CMOS jumper | ✔ |
| Clear CMOS button | ✔ |
| Desktop Management Interface (DMI) version | 2.7 |
| System Management BIOS (SMBIOS) version | 2.7 |

| Logistics data | |
|---|---|
| Country of origin | China |
| Products per shipping (inner) case | 1 pc(s) |

| Battery | |
|---|---|
| Battery weight | 3 g |
| Lithium weight per battery | 0.07 g |
| Number of battery cells | 1 |
| Battery technology | Lithium-Manganese Dioxide (LiMnO2) |
| Battery type | CR2032 |

| Packaging data | |
|---|---|
| Package width | 265 mm |
| Package depth | 265 mm |
| Package height | 54 mm |
| Package weight | 857 g |

| Weight & dimensions | |
|---|---|
| Width | 230 mm |
| Depth | 215 mm |
| Height | 35 mm |

| Packaging content | |
|---|---|
| Batteries included | ✔ |
| Bundled software | Norton® Internet Security (OEM version) LAN bandwidth management software |

| Other features | |
|---|---|
| Supported DIMM module capacities | 8GB, 16GB |

| Technical details | |
|---|---|
| Warranty period | 3 year(s) |

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**Catalog Object Cloud**

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Publication date: 11-APR-2026. Prints or copies of Information are only valid on the printed Publication date