



## GIGABYTE A620M H Motherboard - Supports AMD Ryzen 8000 CPUs, 5+2+2 Phases Digital VRM, up to 7200MHz DDR5 (OC), 1xPCIe 4.0 M.2, GbE LAN, USB 3.2 Gen 1

**Brand :** GIGABYTE

**Product code:** A620M H

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- AMD Socket AM5 Supports AMD Ryzen™ 7000 Series Processors
  - Unparalleled Performance 5+2+2 Phases Digital VRM Solution
  - Dual Channel DDR5 2xSMD DIMMs with AMD EXPO™ & Intel® XMP Memory Module Support
  - SuperSpeed Storage PCIe 4.0 x4 M.2 Connector
  - PCIe x16 EZ-Latch with Quick Release & Screwless Design
  - Fast Networks GbE LAN
  - Extended Connectivity DP, HDMI
  - Smart Fan 6 Features Multiple Temperature Sensors, Hybrid Fan Headers with FAN STOP
  - Q-Flash Plus Update BIOS Without Installing the CPU, Memory and Graphics Card
- Micro ATX, Socket AM5, AMD A620 chipset, 2x DDR5 DIMM, 7.1-channel audio, AMI UEFI BIOS



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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 technology.

Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	HDMI ports quantity *	1
Processor socket *	Socket AM5	HDMI version	2.1
Compatible processor series *	AMD Ryzen™ 5, AMD Ryzen 7 7th Gen, AMD Ryzen 9 7th Gen	DisplayPorts quantity	1
Supported processor sockets	Socket AM5	DisplayPort version	1.4
Maximum internal memory supported by processor	96 GB	Headphone outputs	3
		Microphone in	✓
		USB connector type	USB Type-A, USB Type-C
Memory		Network	
Supported memory types *	DDR5-SDRAM	Ethernet LAN	✓
Number of memory slots *	2	Ethernet interface type	Gigabit Ethernet
Memory slots type	DIMM	Wi-Fi *	✗
Memory channels	Dual-channel	Features	
ECC compatibility	Non-ECC	Motherboard chipset *	AMD A620
Non-ECC	✓	Audio output channels *	7.1 channels
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400,6800,7200 MHz	Product colour	Brown
Supported memory clock speed (max)	7200 MHz	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Maximum internal memory *	96 GB	Component for *	PC
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB, 48GB	Motherboard form factor *	micro ATX
Unbuffered memory	✓	Motherboard chipset family *	AMD
Storage controllers		Windows operating systems supported	Windows 10 x64, Windows 11 x64
Supported storage drive types	HDD & SSD	Expansion slots	
Supported storage drive interfaces *	M.2, SATA III	PCI Express x1 slots	1
Number of HDDs supported	4	PCI Express x16 slots	1
Number of storage drives supported	5	Number of M.2 (M) slots	1
RAID support	✓	BIOS	
RAID levels	0, 1, 10	BIOS type *	UEFI AMI
Graphics		BIOS memory size	256 Mbit
Parallel processing technology support *	Not supported	ACPI version	5.0
Maximum resolution	4096 x 2160 pixels		
HDCP	✓		

<b>Graphics</b>		<b>BIOS</b>	
DirectX version	12.0	Clear CMOS jumper	✓
<b>Internal I/O</b>		Desktop Management Interface (DMI) version	2.7
USB 2.0 connectors *	2	System Management BIOS (SMBIOS) version	2.7
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	<b>Logistics data</b>	
Number of SATA III connectors *	4	Country of origin	China
Total number of SATA connectors	4	Products per shipping (inner) case	1 pc(s)
Front panel audio connector	✓	<b>Battery</b>	
Front panel connector	✓	Battery weight	3 g
ATX Power connector (24-pin)	✓	Lithium weight per battery	0.07 g
CPU fan connector	✓	Number of battery cells	1
EPS power connector (8-pin)	✓	Battery technology	Lithium-Manganese Dioxide (LiMnO <sub>2</sub> )
TPM connector	✓	Battery type	CR2032
12V power connector	✓	<b>Packaging data</b>	
RGB LED pin header	✓	Package width	265 mm
<b>Rear panel I/O ports</b>		Package depth	265 mm
USB 2.0 ports quantity *	4	Package height	54 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Package weight	897 g
Ethernet LAN (RJ-45) ports *	1	<b>Weight &amp; dimensions</b>	
PS/2 ports quantity	1	Width	230 mm
		Depth	225 mm
		Height	35 mm
		<b>Packaging content</b>	
		Cables included	SATA
		Batteries included	✓
		Bundled software	Norton Internet Security LAN bandwidth management software
		<b>Technical details</b>	
		Warranty period	3 year(s)



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