



GIGABYTE A620M GAMING X Motherboard - Supports AMD Ryzen 8000 CPUs, 8+2+1 Phases Digital VRM, up to 8000MHz DDR5 (OC), 1xPCIe 4.0 M.2, GbE LAN, USB 3.2 Gen 2

Brand : GIGABYTE

Product code: A620M GAMING X

Product name : A620M GAMING X Motherboard - Supports AMD Ryzen 8000 CPUs, 8+2+1 Phases Digital VRM, up to 8000MHz DDR5 (OC), 1xPCIe 4.0 M.2, GbE LAN, USB 3.2 Gen 2



Micro ATX, Socket AM5, AMD A620 chipset, 4x DDR5 DIMM, 7.1-channel audio, AMI UEFI BIOS

[GIGABYTE A620M GAMING X Motherboard - Supports AMD Ryzen 8000 CPUs, 8+2+1 Phases Digital VRM, up to 8000MHz DDR5 \(OC\), 1xPCIe 4.0 M.2, GbE LAN, USB 3.2 Gen 2:](#)

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	Ethernet LAN (RJ-45) ports *	1
Processor socket *	Socket AM5	PS/2 ports quantity	1
Compatible processor series *	AMD Ryzen™ 5, AMD Ryzen 7 7th Gen, AMD Ryzen 9 7th Gen	HDMI ports quantity *	1
Supported processor sockets	Socket AM5	HDMI version	2.1
Maximum internal memory supported by processor	192 GB	DisplayPorts quantity	1
		DisplayPort version	1.4
		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 *	4	Ethernet interface type	Gigabit Ethernet
Memory slots type	DIMM	Wi-Fi *	✗
Memory channels	Dual-channel	Features	
ECC compatibility	Non-ECC	Motherboard chipset *	AMD A620
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400,6800,7000,7200,7600,7800,8000 MHz	Audio output channels *	7.1 channels
Supported memory clock speed (max)	8000 MHz	Product colour	Brown
Maximum internal memory *	192 GB	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB, 48GB	Component for *	PC
Unbuffered memory	✓	Motherboard form factor *	micro ATX
		Motherboard chipset family *	AMD
		Windows operating systems supported	Windows 10 x64, Windows 11 x64
Storage controllers		Expansion slots	
Supported storage drive types	HDD & SSD	PCI Express x1 slots	1
Supported storage drive interfaces *	M.2, SATA III	PCI Express x16 slots	1
Number of HDDs supported	4	Number of M.2 (M) slots	1
Number of storage drives supported	5	BIOS	
RAID support	✓	BIOS type *	UEFI AMI
RAID levels	0, 1, 10	BIOS memory size	256 Mbit
Graphics			
Parallel processing technology support *	Not supported		
Maximum resolution	4096 x 2160 pixels		
HDCP	✓		
DirectX version	12.0		
Internal I/O			
USB 2.0 connectors *	1		

Internal I/O		BIOS	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	ACPI version	5.0
Number of SATA III connectors *	4	Clear CMOS jumper	✓
Total number of SATA connectors	4	Desktop Management Interface (DMI) version	2.7
Front panel audio connector	✓	System Management BIOS (SMBIOS) version	2.7
Front panel connector	✓	Logistics data	
ATX Power connector (24-pin)	✓	Country of origin	China
CPU fan connector	✓	Products per shipping (inner) case	1 pc(s)
EPS power connector (8-pin)	✓	Battery	
TPM connector	✓	Battery weight	3 g
12V power connector	✓	Lithium weight per battery	0.07 g
RGB LED pin header	✓	Number of battery cells	1
Rear panel I/O ports		Battery technology	Lithium-Manganese Dioxide (LiMnO2)
USB 2.0 ports quantity *	2	Battery type	CR2032
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Packaging data	
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Package width	270 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1	Package depth	268 mm
		Package height	68 mm
		Package weight	892 g
		Weight & dimensions	
		Width	244 mm
		Depth	244 mm
		Height	35 mm
		Packaging content	
		Cables included	SATA
		Batteries included	✓
		Bundled software	Norton Internet Security
		Technical details	
		Warranty period	3 year(s)



4719331854096

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 03-NOV-2024. Prints or copies of Information are only valid on the printed Publication date