

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

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Micro ATX, Socket AM5, AMD A620 chipset, 4x 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	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
Memory		DisplayPort version	1.4
Supported memory types *	DDR5-SDRAM	Headphone outputs	3
Number of memory slots *	4	Microphone in	✓
Memory slots type	DIMM	USB connector type	USB Type-A, USB Type-C
Memory channels	Dual-channel	Network	
Non-ECC	✓	Ethernet LAN	✓
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400,6800,7000,7200,7600,7800,8000 MHz	Ethernet interface type	Gigabit Ethernet
Supported memory clock speed (max)	8000 MHz	Wi-Fi *	✗
Maximum internal memory *	192 GB	Features	
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB, 48GB	Motherboard chipset *	AMD A620
Unbuffered memory	✓	Audio output channels *	7.1 channels
Storage controllers		Product colour	Brown
Supported storage drive types	HDD & SSD	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Supported storage drive interfaces *	M.2, SATA III	Component for *	PC
Number of HDDs supported	4	Motherboard form factor *	micro ATX
Number of storage drives supported	5	Motherboard chipset family *	AMD
RAID support	✓	Windows operating systems supported	Windows 10 x64, Windows 11 x64
RAID levels	0, 1, 10	Expansion slots	
Graphics		PCI Express x1 slots	1
Parallel processing technology support *	Not supported	PCI Express x16 slots	1
Maximum resolution	4096 x 2160 pixels	Number of M.2 (M) slots	1
HDCP	✓	BIOS	
DirectX version	12.0	BIOS type *	UEFI AMI
Internal I/O		BIOS memory size	256 Mbit
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)



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