



## GIGABYTE A620M DS3H Motherboard - Supports AMD Ryzen 8000 CPUs, 5+2+2 Phases Digital VRM, up to 7600MHz DDR5 (OC), 1xPCIe 4.0 M.2, GbE LAN, USB 3.2 Gen 1

**Brand :** GIGABYTE

**Product code:** A620M DS3H

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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 4\*SMD DIMMs with AMD EXPO™ & Intel® XMP Memory Module Support
  - SuperSpeed Storage PCIe 4.0 x4 M.2 Connector
  - EZ-Latch PCIe x16 Slot with Quick Release Design
  - Fast Networks GbE LAN
  - Extended Connectivity DP, HDMI, D-Sub
  - 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
- AMD A620, Socket AM5, 4 x DDR5, 6400 MT/s, 1 x DisplayPort, 1 x HDMI, 1 x D-Sub, 4 x SATA, Micro ATX



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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	192 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 *	4	Ethernet interface type	Gigabit Ethernet
Memory slots type	DIMM	Wi-Fi *	✗
Memory channels	Dual-channel		
ECC compatibility	Non-ECC	Features	
Supported memory clock speeds	4800,5200,5600,6000,6200,6400,6800,7000,7200,7600 MHz	Motherboard chipset *	AMD A620
Supported memory clock speed (max)	7600 MHz	Audio output channels *	7.1 channels
Maximum internal memory *	192 GB	Product colour	Brown
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB, 48GB	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Unbuffered memory	✓	Component for *	PC
Storage controllers		Motherboard form factor *	micro ATX
Supported storage drive types	HDD & SSD	Motherboard chipset family *	AMD
Supported storage drive interfaces *	M.2, SATA III	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Number of HDDs supported	1	Expansion slots	
Number of storage drives supported	4	PCI Express x1 slots	1
RAID support	✓	PCI Express x16 slots	1
RAID levels	0, 1, 10	Number of M.2 (M) slots	1
Graphics		BIOS	
Parallel processing technology support *	Not supported	BIOS type *	UEFI AMI
Maximum resolution	4096 x 2160 pixels	BIOS memory size	256 Mbit
HDCP	✓	ACPI version	5.0
DirectX version	12.0		

Internal I/O		BIOS	
USB 2.0 connectors *	1	Clear CMOS jumper	✓
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Desktop Management Interface (DMI) version	2.7
Number of SATA III connectors *	4	System Management BIOS (SMBIOS) version	2.7
Total number of SATA connectors	4	<b>Logistics data</b>	
Front panel audio connector	✓	Country of origin	China
Front panel connector	✓	Products per shipping (inner) case	1 pc(s)
ATX Power connector (24-pin)	✓	<b>Battery</b>	
CPU fan connector	✓	Battery weight	3 g
EPS power connector (8-pin)	✓	Lithium weight per battery	0.07 g
TPM connector	✓	Number of battery cells	1
12V power connector	✓	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
RGB LED pin header	✓	Battery type	CR2032
<b>Rear panel I/O ports</b>		<b>Packaging data</b>	
USB 2.0 ports quantity *	4	Package width	265 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Package depth	265 mm
Ethernet LAN (RJ-45) ports *	1	Package height	54 mm
PS/2 ports quantity	1	Package weight	1.07 kg
VGA (D-Sub) ports quantity *	1	<b>Weight &amp; dimensions</b>	
		Width	244 mm
		Depth	244 mm
		Height	35 mm
		<b>Packaging content</b>	
		Cables included	SATA
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		<b>Technical details</b>	
		Warranty period	3 year(s)



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