GIGABYTE

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
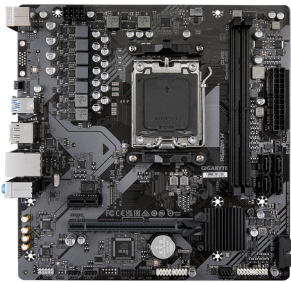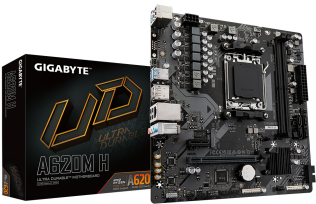
Brand : GIGABYTE

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⬚2*SMD 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

Processor manufacturer *	AMD
Processor socket *	Socket AM5
Compatible processor series *	AMD Ryzen™ 5, AMD Ryzen 7 7th Gen, AMD Ryzen 9 7th Gen
Supported processor sockets	Socket AM5
Maximum internal memory supported by processor	96 GB

Memory

Supported memory types *	DDR5-SDRAM
Number of memory slots *	2
Memory slots type	DIMM
Memory channels	Dual-channel
Non-ECC	✓
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400,6800,7200 MHz
Supported memory clock speed (max)	7200 MHz
Maximum internal memory *	96 GB
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB, 48GB
Unbuffered memory	✓

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA III
Number of HDDs supported	4
Number of storage drives supported	5
RAID support	✓
RAID levels	0, 1, 10

Graphics

Parallel processing technology support *	Not supported
Maximum resolution	4096 x 2160 pixels
HDCP	✓

Rear panel I/O ports

HDMI version	2.1
DisplayPorts quantity	1
DisplayPort version	1.4
Headphone outputs	3
Microphone in	✓
USB connector type	USB Type-A, USB Type-C

Network

Ethernet LAN	✓
Ethernet interface type	Gigabit Ethernet
Wi-Fi *	✗

Features

Motherboard chipset *	AMD A620
Audio output channels *	7.1 channels
Product colour	Brown
PC health monitoring	Fan, Temperature, Voltage, Water cooling
Component for *	PC
Motherboard form factor *	micro ATX
Motherboard chipset family *	AMD
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

BIOS

BIOS type *	UEFI AMI
BIOS memory size	256 Mbit
ACPI version	5.0
Clear CMOS jumper	✓

Graphics

DirectX version	12.0

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	✔
EPS power connector (8-pin)	✔
TPM connector	✔
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	1
HDMI ports quantity *	1

BIOS

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	897 g

Weight & dimensions

Width	230 mm
Depth	225 mm
Height	35 mm

Packaging content

Cables included	SATA
Batteries included	✔
Bundled software	Norton Internet Security LAN bandwidth management software

Technical details

Warranty period	3 year(s)

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