GIGABYTE

Gigabyte GA-A320M-H motherboard AMD A320 Socket AM4 micro ATX
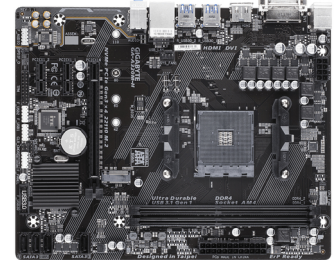
Brand : Gigabyte   **Product code:** GA-A320M-H

Product name : GA-A320M-H

- Supports AMD Ryzen™ & 7th Generation A-series/ Athlon™ Processors
- Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs
- Ultra-Fast PCIe Gen3 x4 M.2 with PCIe NVMe & SATA mode support
- High Quality Audio Capacitors and Audio Noise Guard
- Realtek® Gigabit LAN with cFosSpeed Internet Accelerator Software
- Smart Fan 5 features 5 Temperature Sensors and 2 Hybrid Fan Headers
- GIGABYTE™ UEFI BIOS
- All New GIGABYTE™™ APP Center, Simple and Easy Use
GA-A320M-H, AMD A320, AM4, 2x DDR4, DVI-D, HDMI, LAN, PCI Express x16, PCI Express x1, M.2, 4x SATA III, USB 3.1, PS/2, Micro ATX, 244x195 mm

Processor

Processor manufacturer *	AMD
Processor socket *	Socket AM4
Compatible processor series *	AMD A, AMD Athlon, AMD Ryzen™ 3, 2nd Generation AMD Ryzen™ 3, 3rd Generation AMD Ryzen™ 3, AMD Ryzen™ 5, 2nd Generation AMD Ryzen™ 5, 3rd Generation AMD Ryzen 5, AMD Ryzen™ 7, 2nd Generation AMD Ryzen™ 7, 3rd Generation AMD Ryzen™ 7, 3rd Generation AMD Ryzen™ 9
Maximum number of SMP processors	1

Memory

Supported memory types *	DDR4-SDRAM
Number of memory slots *	2
Memory slots type	DIMM
Memory channels	Dual-channel
ECC	✓
Non-ECC	✓
Supported memory clock speeds	2133,2400,2667,2933,3200 MHz
Maximum internal memory *	32 GB
Unbuffered memory	✓

Storage controllers

RAID levels	0, 1, 10

Graphics

Maximum graphics card memory	2048 MB
Maximum resolution	4096 x 2160 pixels

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
S/PDIF out connector	✓
Audio connector	✓
Front panel audio connector	✓
Front panel connector	✓
ATX Power connector (24-pin)	✓

Rear panel I/O ports

HDMI ports quantity *	1
HDMI version	1.4
DVI-D ports quantity *	1
Microphone in	✓

Network

Ethernet LAN	✓
Ethernet interface type	Gigabit Ethernet

Features

Motherboard chipset *	AMD A320
Audio chip	Realtek ALC887
Audio output channels *	7.1 channels
PC health monitoring	Fan, Temperature, Voltage
Component for *	PC
Motherboard form factor *	micro ATX
Motherboard chipset family *	AMD
Windows operating systems supported	Windows 10 Education x64, Windows 10 Enterprise x64, Windows 10 Home x64, Windows 10 Pro x64, Windows 7 Enterprise x64, Windows 7 Home Basic x64, Windows 7 Home Premium x64, Windows 7 Professional x64, Windows 7 Starter x64, Windows 7 Ultimate x64, Windows 7 x64
Harmonized System (HS) code	84733020

Expansion slots

PCI Express x1 (Gen 2.x) slots	1
PCI Express x16 (Gen 3.x) slots	1
Number of M.2 (M) slots	1

BIOS

BIOS type *	UEFI AMI
BIOS memory size	128 Mbit
ACPI version	5.0
Clear CMOS jumper	✓
Plug and Play	✓
Desktop Management Interface (DMI) version	2.7

Internal I/O

CPU fan connector	✓
Number of chassis fan connectors	1
Chassis intrusion connector	✓
TPM connector	✓
12V power connector	✓

Rear panel I/O ports

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Ethernet LAN (RJ-45) ports *	1
PS/2 ports quantity	2

BIOS

System Management BIOS (SMBIOS) version	2.7

Processor special features

Intel Extreme Memory Profile (XMP)	✓

Weight & dimensions

Width	244 mm
Depth	195 mm

Packaging content

Cables included	SATA
Manual	✓
Drivers included	✓
Bundled software	Norton Internet Security, cFosSpeed

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