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A620M H (rev. 1.1)

AMD A620 Chipset

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CPU

1. AMD Socket AM5, support for: AMD Ryzen™ 7000/ Ryzen™ 8000 Series Processors

(Please refer "CPU Support List" for more information.)

Chipset

1. AMD A620

Memória

1. Support for DDR5 7200(OC)/ 6800(OC)/ 6600(OC)/ 6400(OC)/ 6200(OC)/ 6000(OC)/ 5600(OC)/ 5200/ 4800/ 4400 MT/s memory modules
2. 2 x DDR5 DIMM sockets supporting up to 96 GB (48 GB single DIMM capacity) of system memory
3. Dual channel memory architecture
4. Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules
5. Support for AMD EXtended Profiles for Overclocking (AMD EXPO™) and Extreme Memory Profile (XMP) memory modules

(The CPU and memory configuration may affect the supported memory types, data rate (speed), and number of DRAM modules, please refer to "Memory Support List" for more information.)

Gráficos Onboard

Integrated Graphics Processor:

1. 1 x DisplayPort, supporting a maximum resolution of 3840x2160@144 Hz
* Support for DisplayPort 1.4 version.
2. 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz
* Support for HDMI 2.1 version and HDCP 2.3.
** Support for native HDMI 2.1 TMDS compatible ports.

(Graphics specifications may vary depending on CPU support.)

Support for up to 3 displays at the same time



Compare

Clear All

LAN

1. Realtek® GbE LAN chip (1 Gbps/100 Mbps/10 Mbps)

Slots de Expansão

1 x PCI Express x16 slot, integrated in the CPU:

1. AMD Ryzen™ 7000 Series Processors support PCIe 4.0 x16 mode
 2. AMD Ryzen™ 8000 Series-Phoenix 1 Processors support PCIe 4.0 x8 mode
 3. AMD Ryzen™ 8000 Series-Phoenix 2 Processors support PCIe 4.0 x4 mode
- * The PCIEX16 slot can only support a graphics card or an NVMe SSD.

Chipset:

1. 1 x PCI Express x1 slot, supporting PCIe 3.0 and running at x1

Interface de Armazenamento

1 x M.2 connector, integrated in the CPU, supporting Socket 3, M key, type 2580 SSDs:

1. AMD Ryzen™ 7000 Series Processors support PCIe 4.0 x4/x2 SSDs
2. AMD Ryzen™ 8000 Series-Phoenix 1 Processors support PCIe 4.0 x4/x2 SSDs
3. AMD Ryzen™ 8000 Series-Phoenix 2 Processors support PCIe 4.0 x4/x2 SSDs

4 x SATA 6Gb/s connectors

RAID 0, RAID 1, and RAID 10 support for NVMe SSD storage devices

RAID 0, RAID 1, and RAID 10 support for SATA storage devices

USB

CPU:

1. 2 x USB 3.2 Gen 1 ports on the back panel
2. 1 x USB 2.0/1.1 port on the back panel

Chipset:

1. 2 x USB 3.2 Gen 1 ports available through the internal USB header



[Clear All](#)**Conectores Internos I/O**

4. 2 x system fan headers
5. 1 x addressable LED strip header
6. 1 x RGB LED strip header
7. 1 x M.2 Socket 3 connector
8. 4 x SATA 6Gb/s connectors
9. 1 x front panel header
10. 1 x front panel audio header
11. 1 x USB 3.2 Gen 1 header
12. 2 x USB 2.0/1.1 headers
13. 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0/GC-TPM2.0 SPI V2 module only)
14. 1 x Clear CMOS jumper

Conectores Painel Traseiro

1. 4 x USB 2.0/1.1 ports
2. 1 x PS/2 keyboard/mouse port
3. 1 x Q-Flash Plus button
4. 2 x USB 3.2 Gen 1 ports
5. 1 x DisplayPort
6. 1 x HDMI port
7. 1 x RJ-45 port
8. 3 x audio jacks

Controlador I/O

1. iTE® I/O Controller Chip

Monitoramento H/W

1. Voltage detection
2. Temperature detection
3. Fan speed detection
4. Water cooling flow rate detection
5. Fan fail warning
6. Fan speed control

* Whether the fan speed control function is supported will depend on the fan you install.



[Clear All](#)**Características Exclusivas**

1. Support for GIGABYTE Control Center (GCC)
* Available applications in GCC may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.
2. Support for Q-Flash Plus
3. Support for Q-Flash

Pacote de Software

1. Norton® Internet Security (OEM version)
2. LAN bandwidth management software

Sistema Operacional

1. Support for Windows 11 64-bit
2. Support for Windows 10 64-bit

Form Factor

1. Micro ATX Form Factor; 23.0cm x 22.5cm

* Os termos e expressões “HDMI”, “HDMI High-Definition Multimedia Interface” e “Trade dress da HDMI”, e os Logotipos da HDMI são marcas comerciais ou marcas registradas da HDMI Licensing Administrator, Inc.

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* Devido a arquitetura padrão PC, uma quantia de memória é reservada para uso do sistema, portanto o tamanho da memória é menor do que a quantia exibida

