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PRIME A620AM-K

Overview　　　Tech Specs　　　Support

| Model | PRIME A620AM-K |

| News & Updates | Please visit our **GLOBAL website** to check and download the latest updates. |

| CPU | AMD Socket AM5 for AMD Ryzen™ 9000 & 8000 & 7000 Series Desktop Processors*
 Supports up to AMD 120W CPU
 * Refer to https://www.asus.com/support/download-center/ for CPU support list. |

| Chipset | AMD A620A Chipset |

| Memory | 2 x DIMM slots, max. 128GB, DDR5
 Supports up to
 7200+MT/s(OC) with Ryzen™ 9000 & 7000 Series Processors,
 7600+MT/s(OC) with Ryzen™ 8000 Series Processors,
 Non-ECC Un-buffered DIMM*
 Dual channel memory architecture
 Supports AMD Extended Profiles for Overclocking (EXPO™)
 ASUS Enhanced Memory Profile (AEMP)
 * Supported memory types, data rate (speed), and number of DRAM modules vary depending on the CPU and memory configuration, for more information please refer to CPU/Memory Support list under the Support tab of product information site or visit https://www.asus.com/support/download-center/. Adjustments will be made based on the specifications of mass-produced memory products available on the market.
 * Non-ECC, un-buffered DDR5 memory supports On-Die ECC function. |

| Graphics | 1 x DisplayPort**
 1 x HDMI™ port***
 * Graphics specifications may vary between CPU types. Please refer to AMD CPU |

specifications.
** Supports max. 8K@30Hz as specified in DisplayPort 1.4.
*** Supports 4K@60Hz as specified in HDMI 2.1.

Expansion Slots	**AMD Ryzen™ 9000 & 7000 Series Desktop Processors*** 1 x PCIe 4.0 x16 slot (supports x16 mode) **AMD Ryzen™ 8000 Series Desktop Processors** 1 x PCIe 4.0 x16 slot (supports x8/x4 mode)** **AMD A620A Chipset** 1 x PCIe 3.0 x1 slot * Please check the PCIe bifurcation table on the support site (https://www.asus.com/support/FAQ/1037507/). ** Specifications vary by CPU types. - To ensure compatibility of the device installed, please refer to https://www.asus.com/support/download-center/ for the list of supported peripherals.
Storage	**Total supports 1 x M.2 slot and 4 x SATA 6Gb/s ports** **AMD Ryzen™ 9000 & 8000 & 7000 Series Desktop Processors** M.2 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode) **AMD A620A Chipset** 4 x SATA 6Gb/s ports
RAID Support	**AMD RAIDXpert2 Technology*** Ryzen™ 9000 Series Processors: RAID 0/1/5/10 Ryzen™ 8000 Series Processors: RAID 0/1 Ryzen™ 7000 Series Processors: RAID 0/1/10 * Specifications vary by CPU types.
Ethernet	1 x Realtek 1Gb Ethernet ASUS LANGuard
USB	**Rear USB (Total 6 ports)** 4 x USB 5Gbps ports (4 x Type-A) 2 x USB 2.0 ports (2 x Type-A) **Front USB (Total 6 ports)** 1 x USB 5Gbps header supports 2 additional USB 5Gbps ports 2 x USB 2.0 headers support 4 additional USB 2.0 ports
Audio	Realtek 7.1 Surround Sound High Definition Audio CODEC* - Supports: Jack-detection, Multi-streaming, Front Panel Jack-retasking - Supports up to 24-Bit/192 kHz playback **Audio Features** - Audio Shielding - Premium audio capacitors - Dedicated audio PCB layers * A chassis with an HD audio module in the front panel is required to support 7.1 Surround Sound audio output.

Back Panel I/O Ports	4 x USB 5Gbps ports (4 x Type-A) 2 x USB 2.0 ports (2 x Type-A) 1 x DisplayPort 1 x HDMI™ port 1 x Realtek 1Gb Ethernet port 3 x Audio jacks 1 x PS/2 keyboard/mouse combo port

Internal I/O Connectors	**Fan and Cooling Related** 1 x 4-pin CPU Fan header 2 x 4-pin Chassis Fan headers **Power Related** 1 x 24-pin Main Power connector 1 x 8-pin +12V CPU Power connector **Storage Related** 1 x M.2 slot (Key M) 4 x SATA 6Gb/s ports **USB** 1 x USB 5Gbps header supports 2 additional USB 5Gbps ports 2 x USB 2.0 headers support 4 additional USB 2.0 ports **Miscellaneous** 3 x Addressable RGB Gen 2 headers 1 x Clear CMOS header 1 x COM Port header 1 x Front Panel Audio header (F_AUDIO) 1 x S/PDIF Out header 1 x SPI TPM header (14-1 pin) 1 x 10-1 pin Front Panel System header

Special Features	**ASUS 5X PROTECTION III** - DIGI+ VRM - LANGuard - Overvoltage protection - SafeSlot Core - Stainless-steel back I/O **ASUS Q-Design** - Q-DIMM - Q-LED Core - Q-Slot **ASUS Thermal Solution** - Aluminum heatsink design **Aura Sync** - Addressable RGB Gen 2 headers

Software Features	**ASUS Exclusive Software** Armoury Crate - Aura Creator - Aura Sync - Fan Xpert 2+ ASUS DriverHub - ASUS CPU-Z Adobe Creative Cloud (Free Trial)** Norton 360 Deluxe (60 Days Free Trial) WinRAR (40 Days Free Trial) **UEFI BIOS** AI Cache Boost

ASUS EZ DIY
- ASUS CrashFree BIOS 3
- ASUS EZ Flash 3
- ASUS UEFI BIOS EZ Mode
* For more software features, please visit the asus support site or refer to
www.asus.com/support for additional information.
** For detailed information on the supported models and restricted regions for this
redemption offer, please refer to https://www.asus.com/content/asus-offers-adobe-creative-cloud/.

BIOS

256 Mb Flash ROM, UEFI AMI BIOS

Manageability

WOL by PME, PXE

Accessories

Cables
2 x SATA 6Gb/s cables
Miscellaneous
1 x I/O shield
1 x Screw package for M.2 SSD
Documentation
1 x Quick start guide

Operating System

Windows 11, Windows 10 64-bit

Form Factor

micro-ATX Form Factor
8.9 inch x 8.7 inch (22.6 cm x 22.1 cm)

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

- Products certified by the Federal Communications Commission and Industry Canada will be distributed in the United States and Canada. Please visit the ASUS USA and ASUS Canada websites for information about locally available products.

- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.

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- PCB color and bundled software versions are subject to change without notice.

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- Specifications and   features vary by model, and all images are illustrative. Please refer   specification pages for full details.

- *Precise specifications and features vary by model . Please refer to the specification page

- The product (electrical , electronic equipment, Mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.

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