ROG | ProArt | ASUS IoT   Gaming   Business   Environment

AI✦   Mobile /   Laptops   Displays /   Motherboards   Networking   Accessories   Support
         Handhelds   Desktops   / Components   / IoT /
                                                                      Servers

TUF GAMING A620AM-PLUS WIFI

Overview   Tech Specs   Support

Model	TUF GAMING A620AM-PLUS WIFI
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* * Refer to https://www.asus.com/support/download-center/ for CPU support list.
Chipset	AMD A620A Chipset
Memory	4 x DIMM slots, max. 256GB, DDR5 ECC and Non-ECC Un-buffered DIMM* Supports up to 7600+MT/s(OC) with Ryzen™ 9000 & 8000 & 7000 Series Processors 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

2 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 2 x M.2 slots and 4 x SATA 6Gb/s ports
AMD Ryzen™ 9000 & 7000 Series Desktop Processors
M.2_1 slot (Key M), type 2280 (supports PCIe 4.0 x4 mode)
M.2_2 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode)
AMD Ryzen™ 8000 Series Desktop Processors
M.2_1 slot (Key M), type 2280 (supports PCIe 4.0 x4 mode)
M.2_2 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4/x2 mode)*
AMD A620A Chipset
4 x SATA 6Gb/s ports
* Specifications vary by CPU types.

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 2.5Gb Ethernet
TUF LANGuard

Wireless & Bluetooth

Wi-Fi 6
1x1 Wi-Fi 6 (802.11ax)
Supports 2.4/5GHz frequency band
Bluetooth® v5.3*
* The Bluetooth® version may vary, please refer to the Wi-Fi module manufacturer's website for the latest specifications.

USB

Rear USB (Total 6 ports)
2 x USB 10Gbps ports (2 x Type-A)
4 x USB 2.0 ports (4 x Type-A)
Front USB (Total 7 ports)
1 x USB 5Gbps connector (supports USB Type-C®)
1 x USB 5Gbps header supports 2 additional USB 5Gbps ports
2 x USB 2.0 headers support 4 additional USB 2.0 ports
* USB Type-C® power delivery output: max. 5V/3A

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

2 x USB 10Gbps ports (2 x Type-A)
4 x USB 2.0 ports (4 x Type-A)
2 x DisplayPort
1 x HDMI™ port

1 x Wi-Fi module
1 x Realtek 2.5Gb Ethernet port
3 x Audio jacks
1 x BIOS FlashBack™ button
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
	2 x M.2 slots (Key M)
	4 x SATA 6Gb/s ports
	USB
	1 x USB 5Gbps connector (supports USB Type-C®)
	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 10-1 pin Front Panel System header

Special Features	**ASUS TUF PROTECTION**
	- DIGI+ VRM
	- ESD Guards
	- TUF LANGuard
	- Overvoltage protection
	- SafeSlot Core+
	- Stainless-steel back I/O
	ASUS Q-Design
	- M.2 Q-Latch
	- Q-DIMM
	- Q-LED Core
	- Q-Slot
	ASUS Thermal Solution
	- VRM heatsink design
	ASUS EZ DIY
	- BIOS FlashBack™ button
	- BIOS FlashBack™ LED
	Aura Sync
	- Addressable RGB Gen 2 headers

Software Features	**ASUS Exclusive Software** Armoury Crate - Aura Creator - Aura Sync - Fan Xpert 2+ ASUS DriverHub TUF GAMING CPU-Z Adobe Creative Cloud (Free Trial)** Norton 360 for Gamers (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 ASUS Wi-Fi moving antenna 1 x I/O shield 2 x Screw packages for M.2 SSD 1 x TUF GAMING sticker **Documentation** 1 x Quick start guide
Operating System	Windows 11, Windows 10 64-bit

Form Factor

micro-ATX Form Factor
9.6 inch x 9.6 inch (24.4 cm x 24.4 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.

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

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

- Brand and product names mentioned are trademarks of their respective companies.

- The terms HDMI and HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

- 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.

- The use of trademark symbol (TM, ®) appears on this website means that the word text, trademarks, logos or slogans, is being used as trademark under common laws protection and/or registered as Trademark in U.S. and/or other country/region.

- Learn more about battery usage, removal, replacement, and related safety guidelines

  **Product specifications and battery design may vary depending on the model. For any questions, please contact ASUS official customer service.

/ISUS   Motherboards / Components   Motherboards   TUF Gaming   TUF GAMING A620AM-PLUS WIFI

Shop and Learn			About Us	Support	Sustainability
Mobile / Handhelds	Projectors	Cases	About ASUS	Check Repair Status	ESG
Phones	All-in-One PCs	Cooling	Careers	Find Service Locations	Environment
Accessories	Tower PCs	Power Supply Units	Announcements	Product Registration	
Laptops	Gaming Tower PCs	Optical Drives	Investor Relations	Email Us	
For Home	NUCs	Data Storage	Pressroom	Call Us	
For Work	Mini PCs	External Graphics Docks	ASUSTOR Inc.	Security Advisory	
For Creators	Workstations	AI Accelerator	ASUS Cloud Corporation	ASUS Support Videos	
For Students	Accessories	Sound Cards	UniMax Electronics Inc.	MyASUS	
For Gaming	Glasses	**Networking / IoT / Servers**	**Learn More**		
Accessories	**Motherboards / Components**	WiFi 7	AI PC		
Displays / Desktops	Motherboards	WiFi 6	Advanced AI PCs		
Monitors	Graphics Cards				

WiFi Routers	Servers	Cases and Protection	Asus Design Center
Whole Home Mesh WiFi System	Smart Home	Adapters and Chargers	ASUSPRO
Business Network Solutions	Accessories		Automotive Solutions
	Keyboards	Docks Dongles and Cable	AVC Licensing Notice
Wired Networking	Mice and Mouse Pads	Power Banks	ASUS Blog
Intelligent Robots			Armoury Crate
AIoT & Industrial Solutions	Headsets and Audio	Controller	Aura
	Streaming Kits	Gimbal	
Desktop AI supercomputer	Apparel Bags and Gear		

Get the latest deals and more

Enter email address	Sign up