

TUFGAMINGA620M-PLUSWIFI

ASUS TUF GAMING A620M-PLUS WIFI AMD Ryzen 7000 Series Socket AM5 mATX Motherboard

Product Overview

ASUS TUF GAMING A620M-PLUS WIFI AMD Ryzen 7000 Series Socket AM5 mATX Motherboard, AMD A620 Chipset, 4x DDR5 DIMM Memory slots, 2x DisplayPort, 1x HDMI Port, 1x PCI-e 4.0 x16 slot (Supports x16 mode), 1x PCI-e 4.0 x16 slot (Supports x8/x4 mode), 2x PCI-e 3.0 x1 slots, 2x M.2 slots, 4x SATA 6Gb/s Ports, 1x Realtek 2.5Gb Ethernet, Wi-Fi 6, Bluetooth V5.3, USB 3.2 Gen 1 (5G) Ports (Type-A), USB 2.0 Ports (Type-A), USB 3.2 Gen 1 (5G) connector (Type-C), Realtek 7.1 Surround sound High Definition audio, 3x audio jacks, 1x BIOS FlashBack Button, 1x PS/2 Keyboard/Mouse combo Port





Specifications

Overview Summary:

The ASUS TUF GAMING A620M-PLUS WIFI motherboard is a high-performance solution designed for gamers and PC enthusiasts. With support for AMD Ryzen 7000 series processors and cutting-edge features like DDR5 memory, PCIe 4.0, and Wi-Fi 6, this motherboard is built for speed and reliability. Its military-grade components ensure durability, while the six-layer PCB design maintains optimal temperatures even during intense gaming sessions. Equipped with extensive connectivity options including 2.5Gb Ethernet and USB 3.2, it delivers the fast performance needed for competitive gaming. For those looking to build or upgrade their PC, this motherboard provides all the essential features for a top-tier experience. Buy now and take your gaming to the next level with the ASUS TUF GAMING A620M-PLUS WIFI motherboard.

Performance tier:High-End

Uses:Gaming, high-performance computing, PC building, system upgrades, content creation, overclocking, streaming

Overview:

ASUS TUF GAMING A620M-PLUS WIFI: High-Performance AMD Ryzen 7000 Series Motherboard

The ASUS TUF GAMING A620M-PLUS WIFI motherboard is built to meet the demands of serious gamers, offering exceptional performance, durability, and an array of features designed for seamless gaming experiences. Designed for AMD Ryzen 7000 series processors, this motherboard combines advanced technology, military-grade components, and a proven cooling solution to ensure rock-solid stability even under high stress. Whether you're building a high-performance gaming rig or looking to upgrade your current setup, the TUF GAMING A620M-PLUS WIFI is engineered to support the latest in gaming and computing advancements.

Product Overview:

The ASUS TUF GAMING A620M-PLUS WIFI motherboard incorporates essential gaming features such as PCIe 4.0 support for M.2 storage, DDR5 memory compatibility, and Wi-Fi 6 connectivity. With a robust design and enhanced cooling capabilities, this motherboard ensures long-lasting stability for high-demand gaming sessions. Its military-grade components, combined with extensive durability testing, guarantee that this motherboard will hold up under the most intense conditions. The motherboard's aesthetics feature a sleek, rugged off-black and geometric design that complements the strength and reliability of the TUF GAMING series.

Features:

Key Features and Benefits:

- Enhanced Durability: Military-grade components, TUF chokes, capacitors, and Digi+ VRM ensure stable and long-lasting performance.
- DDR5 and PCIe 4.0 Support: Take advantage of faster memory and storage options with support for DDR5 RAM and PCIe 4.0 storage devices.
- Comprehensive Cooling: Includes an upgraded power solution and a six-layer PCB design to maintain optimal temperatures during heavy use.
- Wi-Fi 6 & 2.5 Gb Ethernet: Enjoy high-speed networking with Wi-Fi 6 for fast wireless connections and 2.5 Gb Ethernet for improved LAN performance.
- Customization and Control: Intuitive UEFI BIOS, fan control options, and Aura Sync RGB lighting provide full customization for both performance and aesthetics.

Built for Gamers and Enthusiasts

The TUF GAMING A620M-PLUS WIFI motherboard is packed with advanced features that cater to gamers, power users, and PC enthusiasts. With support for up to 64GB of DDR5 RAM, this motherboard is ideal for handling the most demanding games and applications. The motherboard's dual M.2 slots support PCIe 4.0 for blazing-fast storage, allowing for seamless game loads and faster data transfer speeds.

Intelligent Control for Customization

The ASUS TUF GAMING A620M-PLUS WIFI motherboard provides a comprehensive suite of intelligent control options to help you fine-tune every aspect of your system. From adjusting power settings to controlling your fans and RGB lighting, the included Armoury Crate software allows you to easily customize your system's performance and appearance. Whether you want to overclock your system for higher speeds or fine-tune cooling settings for efficiency, this motherboard offers everything you need for ultimate control.

Superior Cooling and Stability

This motherboard is engineered to provide superior cooling with its six-layer PCB design, which enhances heat management for critical components. TUF capacitors and military-grade TUF chokes provide enhanced power delivery and greater system stability. Additionally, the Digi+ VRM ensures clean, smooth power delivery to the CPU, supporting both high-core-count processors and overclocked configurations.

Next-Generation Connectivity

The TUF GAMING A620M-PLUS WIFI motherboard features advanced connectivity options that elevate your gaming experience. With PCIe 4.0 support for high-speed SSDs and dual DisplayPort outputs, you'll enjoy faster data transfer rates and improved visual performance. USB 3.2 Gen 1 Type-A and Type-C ports offer rapid connectivity for external devices, and the front-panel USB Type-C header enables easy access to fast charging and data transfer capabilities.

Immersive Gaming Experience

To ensure that your gaming experience is as immersive as possible, the TUF GAMING A620M-PLUS WIFI motherboard delivers exceptional audio quality. With Realtek 7.1 Surround Sound and AI-driven noise cancellation, you'll enjoy crisp, clear sound and reduced background noise. The inclusion of addressable Gen 2 RGB headers also lets you sync your system's lighting with Aura-compatible devices for a fully personalized aesthetic.

Ease of Setup and DIY Friendly

This motherboard is designed with easy installation in mind. With tools like the EZ Mode setup, a straightforward UEFI BIOS, and Armoury Crate for advanced customization, you'll be able to get your PC up and running in no time. The TUF GAMING Alliance ensures compatibility with a wide range of trusted PC components, making this motherboard an excellent choice for both novice builders and seasoned enthusiasts alike.

Key Specifications

- Chipset: AMD A620

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Product Specification Sheet

- Socket: AM5 for AMD Ryzen 7000 Series CPUs
- Memory Support: 4x DDR5 DIMM slots, up to 64GB
- Expansion Slots: 1x PCIe 4.0 x16 slot, 1x PCIe 4.0 x16 slot (supports x8/x4 mode), 2x PCIe 3.0 x1 slots
- Storage: 2x M.2 slots, 4x SATA 6Gb/s ports
- Networking: Realtek 2.5Gb Ethernet, Wi-Fi 6
- Audio: Realtek 7.1 Surround Sound
- USB Ports: USB 3.2 Gen 1 Type-A, Type-C, USB 2.0
- BIOS: BIOS FlashBack support for easy updates without a CPU or RAM
- RGB: Aura Sync RGB lighting with addressable Gen 2 headers

Built to Last with Robust Protection

In addition to its high performance, the TUF GAMING A620M-PLUS WIFI motherboard offers several protective features to extend the lifespan of your build. SafeSlot Core+ shields the PCIe slots to prevent physical damage, while ESD Guards provide protection from electrostatic discharge. The corrosion-resistant stainless steel back I/O panel also ensures that the motherboard's connectors remain durable for years.

Conclusion

The ASUS TUF GAMING A620M-PLUS WIFI motherboard combines next-gen technology, military-grade durability, and customizable features to deliver a stable and high-performance experience for gamers and PC enthusiasts. Whether you're upgrading your current system or building a new gaming rig from scratch, this motherboard provides the power, cooling, and connectivity you need to outperform the competition.

Specifications:

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Specifications	
Product Code	TUFGAMINGA620M-PLUSWIFI
Model	TUF GAMING A620M-PLUS WIFI
CPU	AMD Socket AM5 for AMD Ryzen 7000 Series/ 8000 Series Desktop Processors
Chipset	AMD A620 Chipset
Memory	4 x DIMM slots, Max. 192GB, DDR5 7600+(OC) / 7200(OC) / 7000(OC) / 6800(OC) / 6600(OC) / 6400(OC) / 6200(OC) / 6000(OC) / 5800(OC) / 5600(OC) / 5400(OC) / 5200 / 5000 / 4800, ECC and Non-ECC, Un-buffered Memory
	Dual Channel Memory Architecture
	Supports AMD Extended Profiles for Overclocking (EXPO)
	OptiMem II
	* Supported memory types, data rate (speed), and number of DRAM modules vary depending on the CPU and memory configuration
	* Non-ECC, un-buffered DDR5 memory supports On-Die ECC function.

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Product Specification Sheet

Graphics	2 x DisplayPort
	1 x HDMI port
	* Graphics specifications may vary between CPU types. Please refer to AMD CPU specifications.
	** Support max. 8K@60Hz as specified in DisplayPort 1.4.
	*** Supports 4K@60Hz as specified in HDMI 2.1.
Expansion Slots	AMD Ryzen 7000 Series Desktop Processors
	1 x PCIe 4.0 x16 slot (supports x16 mode)
	AMD Ryzen8000 Series Desktop Processors
	1 x PCIe 4.0 x16 slot (supports x8/x4 mode)
	AMD A620 Chipset
	2 x PCIe 3.0 x1 slots
	** Specifications vary by CPU types.
Storage	Total supports 2 x M.2 slots and 4 x SATA 6Gb/s ports
	AMD Ryzen7000 Series Desktop Processors
	M.2_1 slot (Key M), type 2242/2260/2280 (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 2242/2260/2280 (supports PCIe 4.0 x4 mode)
	M.2_2 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4/x2 mode)
	AMD A620 Chipset
	4 x SATA 6Gb/s ports
	* AMD RAIDXpert2 Technology supports both PCIe RAID 0/1/10 and SATA 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 (802.11 a/b/g/n/ac/ax)
	Supports 2.4/5GHz frequency band
	Bluetooth v5.3

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Product Specification Sheet

USB	Rear USB (Total 6 ports)
	2 x USB 3.2 Gen 1 (5G) ports (2 x Type-A)
	4 x USB 2.0 ports (4 x Type-A)
	Front USB (Total 7 ports)
	1 x USB 3.2 Gen 1 (5G) connector (supports USB Type-C)
	1 x USB 3.2 Gen 1 (5G) header supports 2 additional USB 3.2 Gen 1 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 3.2 Gen 1 (5G) 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 Power connector
	Storage related
	2 x M.2 slots (Key M)
	4 x SATA 6Gb/s ports
	USB
	1 x USB 3.2 Gen 1 (5G) connector (supports USB Type-C)
	1 x USB 3.2 Gen 1 (5G) header supports 2 additional USB 3.2 Gen 1 ports
	2 x USB 2.0 headers support 4 additional USB 2.0 ports
	Miscellaneous
	3 x Addressable Gen 2 headers
	1 x Aura RGB header
	1 x Clear CMOS header
	1 x COM Port header
	1 x Front Panel Audio header (AAFP)
	1 x S/PDIF Out header
	1 x Speaker header
	1 x 10-1 pin System Panel 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 FlashBackbutton
	- BIOS FlashBack LED
	Aura Sync
	- Aura RGB header
	- Addressable Gen 2 headers

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Product Specification Sheet

Software Features	ASUS Exclusive Software
	Armoury Crate
	- Aura Creator
	- Aura Sync
	- Fan Xpert 2+
	- Power Saving
	- Two-Way AI Noise Cancellation
	AI Suite 3
	- TurboV EVO
	- DIGI+ VRM
	- PC Cleaner
	TUF GAMING CPU-Z
	MyASUS
	Norton 360 for Gamers (60 Days Free Trial)
	WinRAR
	UEFI BIOS
	ASUS EZ DIY
	- ASUS CrashFree BIOS 3
	- ASUS EZ Flash 3
	- ASUS UEFI BIOS EZ Mode
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 antennas
	1 x I/O Shield
	1 x TUF Gaming sticker
	1 x Screw package for M.2 SSD
	Documentation
	1 x TUF Certification card
	1 x User 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)

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/TUFGAMINGA620M-PLUSWIFI-ASUS-TUF-GAMING-A620M-PLUS-Buy-p-331027.php>

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