

TUF-RTX5070TI-O16G-GAMW

Asus Geforce RTX 5070 Ti TUF Gaming 16GB OC White PCI-e 5.0 x16 Graphics card

Product Overview

Asus Geforce RTX 5070 Ti TUF Gaming 16GB OC White PCI-e 5.0 x16 Graphics card, Powered by nVidia Blackwell Architecture with 8960 CUDA Cores, 16GB GDDR7 Memory running at 28 Gbps on a 256-bit Interface, Boost Clock of 2610MHz in OC mode, PCI Express 5.0 Interface for High-Speed Data transfer, Triple Axial-tech cooling with three fans and phase-change Thermal Pad, Dual-ball fan bearings rated to 80000 hours of Operation, Supports up to Four displays at resolutions up to 7680x4320, 2x HDMI 2.1b, 3x DisplayPort 2.1b, Dual BIOS Toggle for Quiet or Performance mode switching, Aura Sync ARGB Lighting on the shroud





Specifications

Overview Summary:

Experience unparalleled gaming and creative performance with the ASUS GeForce RTX 5070Ti TUF Gaming White OC Graphics Card, now available for purchase in South Africa. Engineered with the revolutionary NVIDIA Blackwell architecture and 16GB of blazing-fast GDDR7 memory, this graphics card delivers exceptional frame rates and stunning visual fidelity at the highest settings. Whether you are tackling demanding AAA titles or managing complex AI workloads, this card ensures smooth gameplay and rapid processing speeds.

The TUF Gaming series stands out with its military-grade durability and advanced cooling solutions, including Triple Axial-Tech fans and a vented exoskeleton that keeps temperatures low even under extreme load. The sleek all-white design not only looks impressive in any build but also integrates seamlessly with your setup via AURA Sync RGB lighting. Upgrade your system today and enjoy the future of gaming technology.

Performance tier:High-End

Uses:4K Gaming, Ray Tracing, AI Content Creation, Video Editing, Streaming, VR Experiences

Overview:

The ASUS GeForce RTX 5070 Ti TUF GAMING OC White Edition represents a significant leap forward for high-end gaming and creative workstations, combining the raw power of NVIDIA Blackwell architecture with a stunning all-white aesthetic. Designed to handle the most demanding titles at ultra settings, this graphics card leverages 16 GB of blazing-fast GDDR7 memory running at 28 Gbps to ensure smooth framerates even in ray-traced environments. Whether you are pushing for competitive esports performance or creating complex 3D renders, the TUF series delivers the reliability and speed required without compromising on visual fidelity.

Description:

This premium graphics card is engineered for enthusiasts who demand both style and substance. The all-white exterior makes it a standout centerpiece for any custom build, while internal innovations like the phase-change GPU thermal pad and vented exoskeleton ensure sustained performance under load. With support for DLSS 4 Multi Frame Generation, users can enjoy AI-enhanced graphics that boost frame rates dramatically without sacrificing image quality. The card also includes military-grade components designed to withstand years of heavy use, making it a future-proof investment for serious gamers.

Features:

Next-Level Gaming Performance

Dominating the leaderboard requires hardware that keeps pace with your ambition. The NVIDIA GeForce RTX 5070 Ti GPU equipped with this card features a massive array of CUDA cores and a boost clock reaching up to 2610MHz in OC mode. This power translates into the ability to play at the highest settings while utilizing full ray tracing for cinematic lighting effects. The inclusion of fifth-generation Tensor Cores enables AI-accelerated workflows, delivering up to 1406 AI TOPs for tasks that benefit from machine learning acceleration.

NVIDIA DLSS 4 with Multi Frame Generation changes the game by using artificial intelligence to generate additional frames between rendered images. This technology allows you to achieve higher frame rates while maintaining crisp visuals. When paired with NVIDIA Reflex 2 and Frame Warp, system latency is drastically reduced, ensuring that your inputs are registered instantly for a responsive gaming experience.

Cooling System Designed for Endurance

Maintaining optimal temperatures during intense gaming marathons is critical for performance consistency. This card features three Axial-Tech fans where the two outer fans spin counterclockwise to minimize turbulence and improve airflow across the heatsink. The cooling solution is further enhanced by a phase-change GPU thermal pad and an ASUS MaxContact heat spreader, which work together to transfer heat away from the graphics processor efficiently.

The intelligent fan curve ensures quiet operation when you are browsing or watching media, as all three fans will stop completely when the GPU temperature drops below 50degrees C. As load increases above 55degrees C, the fans ramp up smoothly based on a curve that balances acoustic comfort with thermal management. The vented diecast metal exoskeleton and aluminum backplate not only dissipate heat effectively but also provide structural rigidity to prevent PCB flex.

Military-Grade Reliability

Built to survive the toughest conditions, every component on this graphics card meets military-grade standards. Certified TUF chokes and MOSFETs provide rock-solid power delivery, while 5K black metallic capacitors offer a lifespan that is 2.5 times longer than standard components with improved temperature tolerance. A protective conformal coating shields the circuit board from moisture, dust, and debris, extending the life of the card.

The dual-ball fan bearings are rated for up to 80,000 hours of operation, ensuring long-term reliability. Auto-Extreme automated manufacturing completes all soldering in a single pass, reducing thermal strain on components during production. For users who want control over their system profile, a Dual BIOS toggle allows you to switch between Quiet and Performance modes instantly via software or the card itself.

Connectivity and Specifications

The ASUS TUF Gaming GeForce RTX 5070 Ti White OC Edition offers versatile connectivity options for multi-monitor setups. It supports up to four displays simultaneously through two HDMI 2.1b ports and three DisplayPort 2.1b outputs, capable of driving resolutions as high as 7680 x 4320. The card utilizes a PCI Express 5.0 interface and features AURA Sync ARGB lighting on the shroud for customizable color effects that match your system theme.

The physical design accommodates modern power requirements with a single 16-pin power connector, though an adapter cable is included for compatibility. For optimal performance in this overclocked configuration, an 850 W PSU is recommended to ensure stable power delivery under heavy loads. The card occupies 3.125 slots and features dimensions of approximately 32.9 x 14 x 6.2 cm.

- NVIDIA GeForce RTX 5070 Ti (Blackwell architecture) with 8960 CUDA Cores
- Boost Clock: 2610MHz in OC mode
- 16 GB GDDR7 memory on a 256-bit interface at 28 Gbps
- Triple Axial-Tech fans with counterclockwise outer fans and 0dB mode below 50degrees C
- Dual-ball fan bearings rated to 80,000 hours
- Military-grade TUF chokes, MOSFETs, and 5K capacitors
- Protective conformal PCB coating for environmental resistance

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Product Specification Sheet

- Dual BIOS toggle for Quiet or Performance mode
- Five display outputs: 2 x HDMI 2.1b + 3 x DisplayPort 2.1b
- AURA Sync ARGB lighting on the shroud
- PCI Express 5.0 interface with single 16-pin power connector

What's in the Box

Purchase of this graphics card includes a comprehensive set of accessories to ensure a smooth installation and long-term stability for your build.

- ASUS TUF Gaming GeForce RTX 5070 Ti 16 GB White OC Edition - White x1
- TUF Graphics Card Holder x1
- TUF Velcro Hook & Loop x1
- TUF Magnet x1
- Adapter Cable (1 to 3) x1
- TUF Gaming Certificate x1
- Thank You Card x1
- Speedsetup Manual x1

Why Choose ASUS TUF Gaming

ASUS has spent decades engineering components that push the boundaries of performance and reliability. The TUF Gaming line embodies that commitment, ensuring every card is built with military-grade components, automated manufacturing precision, and rigorous testing to ensure it survives whatever you throw at it. For the discerning gamer or creator, ASUS TUF Gaming means confidence from the moment you power on.

Specifications:

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Specifications

Product Code	TUF-RTX5070TI-O16G-GAMW
GPU Chipset	NVIDIA GeForce RTX 5070 Ti
VRAM	16GB
Memory Type	GDDR7
Boost Clock	2610MHz
PCIe Interface	PCI Express 5.0
Display Outputs	2 x HDMI 2.1b, 3 x DisplayPort 2.1b
Slot Width	3.125-slot
Recommended PSU	850W
Power Connectors	1 x 16-pin
Cooling Fans	3
RGB Lighting	Yes
Colour	White
Product Dimensions	32.9 x 14 x 6.2 cm

FAQ

What is the recommended power supply for this graphics card?

You should pair this ASUS TUF Gaming GeForce RTX 5070 Ti with an 850W PSU for a fully overclocked configuration. The card uses a single 16-pin power connector and includes an adapter cable (1 to 3) in the box.

Is this graphics card compatible with multiple monitors?

Yes, you can connect up to four displays simultaneously using two HDMI 2.1b and three DisplayPort 2.1b outputs. The card supports resolutions as high as 7680 x 4320 for high-resolution setups.

How does the cooling system work on this white graphics card?

The card features three Axial-Tech fans with outer fans spinning counterclockwise to reduce turbulence, along with a phase-change GPU thermal pad and an exoskeleton for heat dissipation. The fans stop completely when temperatures drop below 50degrees C for silent operation and ramp up above 55degrees C during heavy loads.

Does the ASUS TUF Gaming RTX 5070 Ti support RGB lighting?

Yes, it includes AURA Sync ARGB lighting on the shroud that allows you to customize RGB effects via software for a personalized look.

What is included in the box with this graphics card?

The package contains the ASUS TUF Gaming GeForce RTX 5070 Ti White OC Edition, a TUF Graphics Card Holder, Velcro Hook & Loop, a TUF Magnet, an Adapter Cable (1 to 3), and documentation including a Speedsetup Manual.

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/TUF-RTX5070TI-O16G-GAMW-Asus-Geforce-RTX-5070-Ti-TUF-Buy-p-341782.php>

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