



**Graphics Card  
ASUS NVIDIA  
GeForce RTX  
5070 Ti 16 GB  
GDDR7 256 bit  
PCI Express 5.0  
Active  
RTX5070TI-  
O16G-WHITE-  
GAM**

Model: TUF-RTX5070TI-O16G-WHITE-GAMING

Manufacturer: ASUS

EAN: 4711636066334

Product Code: 14559

**R29,630**

**Game TUF. Built to Last.**

NVIDIA Blackwell architecture is elevated by enhanced cooling and power delivery, fortified with rugged reinforcements for exceptional durability. Lock, load and dominate with the TUF Gaming GeForce RTX™ 5070 Ti White Edition, designed to withstand the harshest conditions and deliver

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unparalleled performance.

NVIDIA Blackwell Architecture

The Ultimate Platform for Gamers and Creators

### **Fifth-Gen Tensor Cores**

Max AI performance with FP4 and DLSS 4

### **New Streaming Multiprocessors**

Optimized for neural shaders

### **Fourth-Gen Ray Tracing Cores**

Built for Mega Geometry

Premium Durability

Military-Grade Components

### **TUF Chokes & MOSFETs**

Certified military-grade TUF chokes and MOSFETs deliver rock-solid power to the GPU, which can help improve system stability.

### **TUF Capacitors**

TUF 5K black metallic capacitors provide 52% wider temperature tolerance and a 2.5X longer lifespan than standard capacitors.

### **Phase-Change GPU Thermal Pad**

By melting to effectively fill the gaps between the GPU and the thermal module, a premium phase-change GPU thermal pad provides superior thermal conductivity and enhanced heat dissipation, ensuring optimal performance and longevity for graphics cards under heavy loads.

### **Protective PCB Coating**

A protective conformal coating envelops the circuit board to help protect against short-circuits caused by moisture, dust or debris.

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## Dual-ball Fan Bearings

Dual-ball bearings offer an extensive lifespan of up to 80,000 hours, double the longevity of sleeve bearings and surpassing fluid dynamic bearings. This helps ensure long-lasting, reliable and quiet cooling.

## Cooling Mastery

This advanced cooling design features the ASUS-exclusive MaxContact manufacturing technique, a phase-change GPU thermal pad and efficient Axial-tech fans, helping to ensure premium thermal performance, optimized airflow and quiet operation, all within a robust and vented metal exoskeleton.

## MaxContact Design

MaxContact is a special ASUS manufacturing process that effectively expands the surface area of the heat spreader that sits atop the GPU by 5%, compared to traditional designs. This improves temperatures by up to 2°C, in concert with an extensive heatsink array and powerful Axial-tech fans.

## Axial-tech Upgrades

Axial-tech fans spin on dual-ball bearings and propel more air than standard fans.

## New Directions

The two outer fans spin counterclockwise to reduce turbulence and enhance air dispersion. All three fans stop when GPU temps are below 50°C, for quieter operation during light tasks. They restart above 55°C, following a speed curve that balances performance and acoustics.

## Vented Exoskeleton

A high-quality diecast shroud and aluminum backplate help prevent PCB flex and feature large vents to further increase heat dissipation

Reliability

## ASUS GPU Guard & Bracket

ASUS GPU Guard applies adhesive to secure all four corners to reduce the risk of cracks, while a GPU bracket helps ensure uniform mounting pressure and extra stability.

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## Auto–Extreme Technology

An automated manufacturing process that sets new standards in the industry by allowing all soldering to be completed in a single pass. This reduces thermal strain on components and avoids the use of harsh cleaning chemicals, resulting in less environmental impact, lower manufacturing power consumption and a more reliable product overall.

RTX. It's On.

## The Ultimate in Ray Tracing and AI

RTX is the most advanced platform for full ray tracing and neural rendering technologies that are revolutionizing the ways we play and create. Over 700 games and applications use RTX to deliver realistic graphics and incredibly fast performance with cutting-edge AI features like DLSS Multi Frame Generation.

Creators

## Your Creative AI-dvantage

NVIDIA Studio is your creative advantage. GeForce RTX 50 Series GPUs unlock transformative performance in video editing, 3D rendering, and graphic design. Experience RTX accelerations in top creative apps, world-class NVIDIA Studio drivers engineered and continually updated to provide maximum stability, and a suite of exclusive tools that harness the power of RTX for AI-assisted creative workflows.

Summary: ASUS TUF Gaming TUF-RTX5070TI-O16G-WHITE-GAMING. Graphics processor family: NVIDIA, Graphics processor: GeForce RTX 5070 Ti. Discrete graphics card memory: 16 GB, Graphics card memory type: GDDR7, Memory bus: 256 bit. Maximum resolution: 7680 x 4320 pixels. DirectX version: 12 Ultimate, OpenGL version: 4.6. Interface type: PCI Express 5.0. Cooling type: Active, Number of fans: 3 fan(s), Illumination colour: Multi | Vendor Homepage: <https://www.asus.com/motherboards-components/graphics-cards/tuf-gaming/tuf-rtx5070ti-o16g-white-gaming/> | CUDA: Yes | CUDA cores: 8960 | Graphics processor: GeForce RTX 5070 Ti | Graphics processor family: NVIDIA | Maximum displays per videocard: 4 | Maximum resolution: 7680 x 4320 | Parallel processing technology support: Not supported | Processor boost clock speed: 2588 | Processor frequency (OC mode): 2610 | Discrete graphics card memory: 16 | Graphics card memory type: GDDR7 | Memory bandwidth (max): 28 | Memory bus: 256 | DisplayPort version: 2.1b | DisplayPorts quantity: 3 | HDMI ports quantity: 2 | HDMI version: 2.1b | Interface type: PCI Express 5.0 | DirectX version: 12 Ultimate | Dual Link DVI: No | HDCP: Yes | HDCP version: 2.3 | NPU

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performance up to: 1406 | NVIDIA Ansel: Yes | NVIDIA G-SYNC: Yes | OpenGL version: 4.6 |  
Overclocked (OC) edition: Yes | TV tuner integrated: No | Cooling technology: ASUS Axial-tech |  
Cooling type: Active | Form factor: Full-Height/Full-Length (FH/FL) | Illumination: Yes | Illumination  
colour: Multi | Number of fans: 3 | Number of slots: 3.125 | Product colour: White | Minimum system  
power supply: 850 | Supplementary power connectors: 1x 16-pin | Depth: 62.5 | Height: 140 |  
Length: 329 | Package depth: 226 | Package height: 87 | Package width: 420 | Model: TUF-  
RTX5070TI-O16G-WHITE-GAMING | Units per Pallet: 0 | Units per Shipping Box: 6 | Unit Calculated  
Volume: 0.0083 | Product Net Weight: 1 | Unit Calculated Weight: 2.59

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