

ASUS Prime – RTX5070-O12G-WHITE NVIDIA GeForce RTX 5070 12 GB GDDR7

Model: 90YV0M19-M0NA00

Manufacturer: ASUS

EAN: 4711636046121

Product Code: 16321

R22,151

Primed for Power

Experience Primal performance with the Prime GeForce RTX 5070 White Edition, an SFF-Ready Enthusiast GeForce Card featuring a 2.5-slot design for expansive compatibility, enhanced by a triple-fan setup for supreme airflow design for supreme cooling.

NVIDIA Blackwell Architecture

The Ultimate Platform for Gamers and Creators

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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

Build Small. Play Big.

You can pack high performance into a smaller footprint with this SFF-Ready Enthusiast GeForce card. Look for cases that are compatible with SFF-Ready Enthusiast GeForce Cards to get a sure fit and streamline your PC build.

Cooling

2.5-slot Design

The Prime RTX 5070 White Edition features a 2.5 slot design with a carefully arranged layout for the shroud, heatsink and heat pipes to let the three Axial-tech fans leverage chassis side-panel ventilation and deliver optimal thermal performance.

Axial-tech Upgrades

Three tried-and-true Axial-tech fans feature a smaller hub that facilitates longer blades and a barrier ring to increase downward air pressure for lower temperatures, less noise and higher performance.

0dB Technology

All three fans come to a standstill when GPU temperatures are below 50°C, letting you play less demanding games or perform light tasks in relative silence. Fans start up again when temperatures are over 55°C, establishing a speed curve that balances performance and acoustics for work or play.

Dual Ball Fan Bearings

Different bearing types have unique pros and cons. Dual-ball bearings excel at durability and can last up to twice as long as sleeve bearing designs.

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Vented Backplate

Large backplate vents significantly enhance heat dissipation, helping to keep the GPU cooler during intense tasks. This additional airflow helps ensure optimal temperatures, boosting performance, longevity and stability by defending against overheating and thermal throttling.

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.

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.

Unmatched 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.

Protective Backplate

The PCB is reinforced by a backplate that adds structural rigidity, helping to prevent flex and to protect components and trace pathways from damage.

Stainless Steel Bracket

The mounting bracket features grade 304 stainless steel, chosen for its strength and high resistance to corrosion.

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Engineering

Dual BIOS

Do you prioritize low core temps or low noise levels? Performance mode lets the fans spin up to keep the card running cool all the time, and Quiet mode keeps the same power target and top-end settings while offering a less aggressive fan curve for quieter operation at moderate temperatures.

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, ASUS Auto-Extreme technology 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.

Best PSU for the GeForce RTX 50 Series

Use the wattage calculator to estimate how much power you’ll need to fuel your rig, and then pick a compatible ROG, TUF Gaming or Prime power supply for ultimate performance.

Software

GPU Tweak III

The ASUS GPU Tweak III utility takes graphics card tuning to the next level. It lets you tweak critical parameters including GPU core clocks, memory frequency and voltage settings, with the option to monitor everything in real-time through a customizable on-screen display. Advanced fan control is also included along with many more features to help you get the most out of your graphics card.

Grow Your Dreams with AI Magic

MuseTree is an AI-powered image-generation app designed to spark your creativity. Effortlessly create and manage images and visual ideas, unlocking endless new inspirations. With its intuitive visual interface, generating stunning images has never been easier!

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One Month of Free Adobe Creative Cloud

Enjoy all things AI at Adobe. Get complimentary membership to Adobe Creative Cloud with the purchase of select ASUS products, granting you access to all Adobe apps and Substance 3D.

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.

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