ASUS Dual -RTX4070-O12G-WHITE

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ASUS	

2x Fans. 2x Fun.
Featuring the latest NVIDIA® Ampere architecture, ASUS Dual GeForce RTX™ 4070 fuses dynamic thermal performance with broad compatibility. Advanced cooling solutions from flagship graphics cards — including two Axial-tech fans for maximizing airflow to the heatsink — are packed into the 26.7 cm long, 2.56-slot card, delivering more power in less space. These enhancements make ASUS Dual the perfect choice for gamers who want heavyweight graphics performance in a compact build.

The Ultimate Platform for Gamers and Creators
Powered by GeForce RTX 40 Series and DLSS 3

New Streaming Multiprocessors
Up to 2x performance and power efficiency

Fourth-Gen Tensor Cores
Up to 4x performance with DLSS 3 vs. brute-force rendering

Third-Gen RT Cores
Up to 2x ray tracing performance

COOLING

Axial-tech Fan Design
Better, faster, stronger
Two tried-and-true Axial-tech fans feature a smaller hub that facilitates longer blades and a barrier ring to increase downward air pressure.

0dB Technology
Quiet intelligence
To eliminate unnecessary noise, a stop mode halts all fans when the GPU temp falls below 55 degrees and power consumption is low.

Dual Ball Fan Bearings
2x longer lifespan
Different bearing types have unique pros and cons. Ball bearings excel at durability and can last up to twice as long as sleeve bearing designs.

2.56-slot Design
Sink your heat into this
A carefully designed shroud, heatsink, and heatpipe layout allows the two Axial-tech fans to leverage chassis side-panel ventilation and deliver thermal performance that belies the card's size.

ENGINEERING

Auto-Extreme Technology
Precision automated manufacturing
Auto-Extreme Technology is 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.

Protective Backplate
That's so metal!
The PCB is reinforced by an aluminum backplate that adds structural rigidity, helping to prevent flex and protect components and trace pathways from damage. The rear features a wide vent that allows hot air to escape towards chassis exhaust fans instead of being recycled back into the GPU cooler.

Stainless Steel Bracket
Steel yourself
The mounting bracket of the Dual has been beefed up with 304 Stainless Steel that's harder and more resistant to corrosion.

SOFTWARE

GPU TWEAK III
Monitor, tweak, and tune
ASUS GPU Tweak III is more intuitive and feature-rich than ever before. A revamped interface offers greater accessibility by integrating core functions into a centralized dashboard, and our Voltage-Frequency tuner has been overhauled to make overclocking even easier. Additional goodies like 0dB fan technology, automatic profile swapping, a fully customizable on-screen display, and logging capabilities ensure that you get the most out of your graphics card.

QuantumCloud
Profit from GPU power
QuantumCloud is a safe and easy-to-use application that lets you effortlessly earn extra money by sharing your graphics card's computing power. Earnings are accessible through your PayPal or WeChat account, and QuantumCloud also supports multiple exchange methods, including Steam. In addition, QuantumCloud doesn't collect any personal data, so your privacy stays protected. ?Get started right away with just one click!

EXPERIENCE

144-hour Validation Program
"Extensive" may be an understatement
A 144-hour validation program puts cards through a series of stringent tests to ensure compatibility with the latest games.

Free 1 Month of Adobe Creative Cloud
Get complimentary membership with the purchase of selected ASUS products.*

20+ Adobe apps
Industry-leading apps including Photoshop, Illustrator, InDesign, Spark and XD.

Adobe Fonts
Access thousands of fonts right within your Creative Cloud apps.

Behance
Find inspiration in the world's largest creative community.

Creative Cloud Libraries
Your team can share assets across their apps and devices, so everyone's in sync.

1TB of cloud storage per user
Extra storage makes it easier for your team to share and manage creative assets.

Zusammenfassung

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ASUS Dual -RTX4070-O12G-WHITE, GeForce RTX 4070, 12 GB, GDDR6X, 192 bit, 7680 x 4320 pixels, PCI Express 4.0

ASUS Dual -RTX4070-O12G-WHITE. Graphics processor family: NVIDIA, Graphics processor: GeForce RTX 4070. Discrete graphics card memory: 12 GB, Graphics card memory type: GDDR6X, Memory bus: 192 bit. Maximum resolution: 7680 x 4320 pixels. DirectX version: 12 Ultimate, OpenGL version: 4.6. Interface type: PCI Express 4.0. Cooling type: Active, Number of fans: 2 fan(s)

Merkmale

Power

Minimum system power supply	650 W
Supplementary power connectors	1x 8-pin

Memory

Discrete graphics card memory	12 GB
Graphics card memory type	GDDR6X
Memory bus	192 bit
Memory bandwidth (max)	21 GB/s

Weight & dimensions

Weight	968 g
Depth	133.9 mm
Height	51.1 mm
Width	267 mm

Ports & interfaces

Interface type	PCI Express 4.0
HDMI ports quantity	1
HDMI version	2.1
DisplayPorts quantity	3
DisplayPort version	1.4a

Design

Cooling type	Active
Cooling technology	ASUS Axial-tech
Number of fans	2 fan(s)
Form factor	Full-Height/Half-Length (FH/HL)
Number of slots	2.56
Product colour	White

Performance

TV tuner integrated	No
DirectX version	12 Ultimate
OpenGL version	4.6
Dual Link DVI	No
NVIDIA G-SYNC	Yes

Packaging data

Package width	405 mm
Package depth	233 mm
Package height	88.5 mm
Package weight	1.73 kg
Package type	Box

NVIDIA Ansel	Yes
AMD FreeSync	No

Processor

CUDA	Yes
CUDA cores	5888
Graphics processor family	NVIDIA
Graphics processor	GeForce RTX 4070
Processor boost clock speed	2520 MHz
Processor frequency (OC mode)	2550 MHz
Maximum resolution	7680 x 4320 pixels
Parallel processing technology support	Not supported
Maximum displays per videocard	4