SUPERCHARGED PERFORMANCE AND SPEED

NVIDIA® GeForce RTX™ 40 Series GPUs are beyond fast for gamers and creators. They’re powered by the ultra-efficient NVIDIA Ada Lovelace architecture which delivers a quantum leap in both performance and AI-powered graphics. Experience lifelike virtual worlds with ray tracing and ultra-high FPS gaming with the lowest latency. Discover revolutionary new ways to create and unprecedented workflow acceleration.

Supercharge your PC with the NVIDIA® GeForce RTX™ 4070 SUPER, built with the ultra-efficient Ada Lovelace architecture and up to 12GB of superfast G6X memory. Experience fast ray tracing, AI-accelerated performance with DLSS 3, new ways to create and much more.

The new NVIDIA® Ada Lovelace architecture delivers a quantum leap in performance, efficiency, and AI-powered graphics. It has new Streaming Multiprocessors, 3rd generation Ray Tracing Cores, and 4th generation Tensor Cores. It’s built on a new custom TSMC 4N process, runs with blazing fast clocks, and features a large L2 cache. It enables fast ray tracing, new ways to create, and much more.

KEY FEATURES

- Powered by NVIDIA DLSS 3, ultra-efficient Ada Lovelace arch, and full ray tracing
- Dedicated Ray Tracing Cores
- Dedicated Tensor Cores
- NVIDIA DLSS 3
- Game Ready and NVIDIA Studio Drivers
- NVIDIA® GeForce Experience™
- NVIDIA Broadcast
- NVIDIA G-SYNC®
- NVIDIA GPU Boost™
- PCI Express® Gen 4
- Microsoft DirectX® 12 Ultimate
- Vulkan RT APIs, Vulkan 1.3, OpenGL 4.6
- HDCP 2.3
- DisplayPort 1.4a, up to 4K at 240Hz or 8K at 60Hz with DSC, HDR
- As specified in HDMI 2.1a: up to 4K 240Hz or 8K 60Hz with DSC, Gaming VRR, HDR
- One 16-pin to Two 8-pin Power Cable Included

SYSTEM REQUIREMENTS

- PCI Express-compliant motherboard with one dual width x16 graphics slot
- Two 8-pin supplementary power connectors
- 650 W or greater system power supply
- Microsoft Windows® 11 64-bit, Windows 10 (November 2018 or later) 64-bit, Linux 64-bit
- Internet connection
- Graphics Card driver is not included in the box; GeForce Experience will download the latest GeForce driver from the Internet after install.
- Minimum is based on a PC configured with a Ryzen 9 5900X processor. Power requirements can be different depending on system configuration.
- Up to 4K 12-bit HDR at 240Hz with DSC or HDMI 2.1a + DSC. Up to 8K 12-bit HDR at 60Hz with DSC or HDMI 2.1a + DSC

PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>NVIDIA® CUDA Cores</td>
<td>7168</td>
</tr>
<tr>
<td>Clock Speed</td>
<td>1980 MHz</td>
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<tr>
<td>Boost Speed</td>
<td>2490 MHz</td>
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<tr>
<td>Memory Speed (Gbps)</td>
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<tr>
<td>Memory Size</td>
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<td>Memory Interface</td>
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<td>Memory Bandwidth (Gbps)</td>
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<td>TDP</td>
<td>220 W</td>
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<td>NVLink</td>
<td>Not Supported</td>
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<tr>
<td>Outputs</td>
<td>DisplayPort 1.4 (x3), HDMI 2.1</td>
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<td>Multi-Screen</td>
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<tr>
<td>Resolution</td>
<td>7680 x 4320 @120Hz (Digital)³</td>
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<td>Power Input</td>
<td>One 16-Pin (One 16-pin to Two 8-pin)</td>
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<tr>
<td>Bus Type</td>
<td>PCI-Express 4.0 x16</td>
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PRODUCT INFORMATION

- PNY Part Number: VCG4070S12DFXPB1-O
- UPC Code: 751492786414
- Card Dimensions: 9.74” x 4.74” x 1.61”; Dual Slot 247.4 x 120.4 x 40.8mm; Dual Slot
- Box Dimensions: 12.78” x 6.77” x 3.54” 325 x 172 x 90mm

1 Graphics Card driver is not included in the box; GeForce Experience will download the latest GeForce driver from the Internet after install.
2 Minimum is based on a PC configured with a Ryzen 9 5900X processor. Power requirements can be different depending on system configuration.
3 Up to 4K 12-bit HDR at 240Hz with DSC or HDMI 2.1a + DSC. Up to 8K 12-bit HDR at 60Hz with DSC or HDMI 2.1a + DSC