



**Graphics Card**  
**SAPPHIRE AMD**  
**Radeon RX 9070**  
**16 GB GDDR6**  
**256 bit Triple**  
**slot Fansink**  
**2xHDMI**  
**2xDisplayPort**  
**11349-01-20G**



Model: 11349-01-20G

Manufacturer: SAPPHIRE

EAN: 4895106295933

Product Code: 14410

**R16,760**

#### **Backplate**

Provides rigidity and helps cool your card by increasing heat dissipation.

#### **ARGB**

Personalize the look of your NITRO + card with its built-in ARGB.

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## Outputs

Choose from HDMI® and DisplayPort™ 2.1a slots for a maximum of 4 outputs

## Cooling

Innovative cooling technologies to ensure optimal performance and airflow.

### **Honeywell PTM7950 TIM**

The Honeywell PTM7950 Thermal Interface Material (TIM) offers a premium solution for high-performance electronics, particularly in the demanding field of graphics processing units (GPUs). The PTM7950 delivers superior thermal conductivity, enhancing the reliability and longevity of graphics cards by its outstanding material characteristics.

### **Quick Connect MagniPlate**

The magnetic backplate on the graphics card combines sleek design with practical functionality. Engineered for effortless installation, its magnetic attachment ensures a secure fit while enhancing heat dissipation and overall durability. This premium feature not only protects your graphics card but also elevates your build with a clean, modern aesthetic—perfect for gamers and creators who demand performance and style.

### **AeroCurve Fan Blade**

The latest fan blade design builds upon its predecessor with advancements that reduce air friction, increasing the usable fan RPM range while maintaining low noise levels. This refined design ensures improved airflow, optimized static pressure, and enhanced cooling efficiency for demanding applications.

### **STEALTH Hidden Power Cable**

The hidden power connection feature seamlessly conceals external power cables, delivering a clean and clutter-free look for your build. Designed for maximum aesthetics and organization, it ensures your graphics card stands out without any visible distractions—perfect for showcasing a sleek, professional setup.

## **FrameDefense**

The mechanical design of the graphics card features a robust, box-like frame that ensures

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exceptional build quality and durability. This solid construction provides a protective enclosure for all internal components, reducing the risk of damage during handling or installation. This rigid frame offers added stability and strength, making it highly resistant to accidental impacts or pressure, ensuring that the delicate components, such as the GPU, memory, and VRMs, remain secure. With this design, users can confidently handle the card without worrying about compromising its integrity or performance.

### **Cold Rolled Steel Frame**

Experience a superior and beautifully crafted frame on the NITRO+ AMD Radeon™ RX 9070 Graphics Card with a Cold Rolled Steel Frame that fortifies the shroud structure and durability while encasing the sides of the PCB for a strong encasement alongside the All Metal Backplate.

### **Integrated Cooling Module**

Integrated Cooling is an advanced thermal management solution engineered to provide efficient heat dissipation across all critical components of a graphics card. This innovative design ensures direct contact with the GPU, memory modules, and VRMs, delivering uniform thermal regulation. By addressing all major heat sources, the Integrated Cooling Module helps maintain stable operating temperatures, improving overall system performance and reliability. Ideal for demanding workloads such as gaming, content creation, and overclocking, it ensures optimal thermal efficiency under sustained use.

### **Free Flow**

The Free Flow cooling design is tailored for axial fan systems, featuring an advanced heatsink fin module that optimizes airflow paths. By reducing turbulence and channeling air efficiently, it maximizes heat dissipation, ensuring consistent performance even under heavy thermal loads.

### **High TG Copper PCB**

The GPU is mounted on to the high-density 12 layer 2oz Copper and high TG PCB to match the rapid speed, high current and increased power requirement of the GPU and memory to guarantee high stability of the PCB during operation.

### **Fan Quick Connect**

If there's a fan problem, you don't have to return the entire card. SAPPHIRE or our channel partners

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will send out a replacement fan directly to you! That means they're easy to remove, clean and replace, with just one screw holding them securely in place.

### **Optimized Composite Heatpipe**

The composite heatpipes are fine-tuned for each individual cooling design with optimal heat flow, efficiently and evenly spreading out the heat to the entire cooling module.

### **Two-Ball Bearing**

These feature Dual Ball bearing fans, which have an approximately 85% longer lifespan than sleeve bearings in our tests. The improvements to the fan blades means the solution is up to 10% quieter than the previous generation.

### **L-Shape Graphics Card Supporter**

The L-Shaped Graphics Card Holder is a versatile solution designed to secure heavy GPUs, prevent sagging, and simplify removal of the graphics card from the PCIe slot during upgrades or maintenance. Crafted from durable materials with a sleek design, it ensures stability, longevity, and seamless integration into any modern PC build. Use the rubber tip of the bracket to help conduct the extraction of the graphics card easily and safely when removing for cleaning and maintenance.

### **External ARGB Control Sync**

Enable the external synchronization of RGB LEDs between the graphics card and the motherboard using the 3-pin header in the tail. Gamers can then choose if the graphics card performs the RGB LED effects independently or if the motherboard acquires control.

### **ARGB Light Bar**

With tasteful shroud design augmented by ARGB LEDs, you can change the colors of the LED, for a customized design. This can be controlled via TriXX software. Choose from different modes including the colourful rainbow mode or turn off the LEDs.

### **Fuse Protection**

In order to protect your card, the SAPPHIRE cards have fuse protection built into the circuit of the external PCI-E power connector to keep the components safe.

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## Digital Power Design

SAPPHIRE NITRO+ AMD Radeon™ RX 9000 Series are designed with digital power which provides accurate power control and excellent power efficiency

## TRI-X COOLING TECHNOLOGY

An innovative mixture of Robust VRM Cooling and independent memory thermal modules work in tandem to remove heat efficiently and effectively across all sections

Tunneled fins increase convection airflow and ensure wind continuously flows through the cooling and fan system

Heat is dissipated by a trio of large efficient fans running anticlockwise to maximize airflow.

- GPU: Boost Clock: Up to 2700 MHz
- GPU: Game Clock: Up to 2210 MHz
- Memory: 16GB/256 bit DDR6. 20 Gbps Effective
- Stream Processors: 3584
- AMD RDNA™ 4 Architecture
- Ray Accelerator: 56

Summary: Sapphire NITRO+ Radeon RX 9070. Graphics processor family: AMD, Graphics processor: Radeon RX 9070. Discrete graphics card memory: 16 GB, Graphics card memory type: GDDR6, Memory bus: 256 bit. Maximum resolution: 7680 x 4320 pixels. DirectX version: 12 Ultimate. Interface type: PCI Express x16 5.0. Cooling type: Active, Number of fans: 3 fan(s), Illumination colour: Multi | Vendor Homepage: <https://www.sapphiretech.com/en/consumer/nitro-radeon-rx-9070-16g-gddr6> | AI accelerators: 112 | Compute units: 56 | CUDA: No | Graphics processor: Radeon RX 9070 | Graphics processor family: AMD | Infinity cache: 64 | Maximum displays per videocard: 4 | Maximum resolution: 7680 x 4320 | Parallel processing technology support: Not supported | Processor boost clock speed: 2700 | Processor boost clock speed (Gaming mode): 2210 | Ray accelerators: 56 | Stream processors: 3584 | Data transfer rate: 20 | Discrete graphics card memory: 16 | Graphics card memory type: GDDR6 | Memory bus: 256 | DisplayPort version: 2.1a | DisplayPorts quantity: 2 | HDMI ports quantity: 2 | Interface type: PCI Express x16 5.0 | AMD FreeSync: Yes | DirectX version: 12 Ultimate | Dual Link DVI: No | TV tuner integrated: No | Bracket height: Full-Height (FH) | Cooling technology: Sapphire Tri-X | Cooling type: Active | Form factor: Full-Height/Full-

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Length (FH/FL) | Illumination: Yes | Illumination colour: Multi | Number of fans: 3 | Number of slots: 3.2 | Product colour: Grey | Minimum system power supply: 650 | Supplementary power connectors: 1x 12-pin | Thermal Design Power (TDP): 245 | Linux operating systems supported: Yes | Minimum RAM: 8192 | Windows operating systems supported: Windows 10 x64/Windows 11 x64 | Depth: 65.68 | Height: 128.5 | Length: 330.8 | Package type: Box | Model: 11349-01-20G | Units per Shipping Box: 6 | Unit Calculated Volume: 0.01176 | Product Net Weight: 0.7 | Unit Calculated Weight: 2.82

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