**ComX Computers**
Product Specification Sheet

# GTX 970 GAMING 4G

MSI nVidia GeForce GTX970 Gaming 4GB GDDR5 256-Bit Graphics Card

## Product Overview

MSI nVidia GeForce GTX970 Gaming PCI-Express x16 3.0, 4GB GDDR5, 256-Bit, GPU: 1140MHz Core (Boost Clock:1279MHz) (OC Mode) / Mem:7010MHz, DVI x2, 1x DP, HDMI x1, DirectX 12 API, 4 x Displays, Dual Slot ATX, MSI TWIN FROZER V Cooler, GAMING App, PREDATOR Tool, 3D Vision Ready, 3-Way NVIDIA SLI Support







## Specifications

**Features:**

**More Performance**
MSI GAMING Graphics Cards give you more performance out of the box. Whether it's a pre-overclocked model or you use the Gaming App, you can just get right in the game and enjoy more performance. Overclocking through the MSI Gaming App is covered by warranty to take away your worries. Get in there and start winning!

**Twin Frozr V - Cooler, Quieter, Better GAMING**
With every new generation of GPUs comes more performance. With every new generation of MSI Twin Frozr we give you less noise and heat!. We've listened to all your requests and the new Twin Frozr V is smaller, features stronger fans, generates less noise, keeps your graphics card and its components cooler and matches perfectly with your MSI GAMING motherboard including some funky LED lightning. We've spent 18 months on the development of the Twin Frozr V, including field testing in gaming cafés to ensure the cards have the quality and stability to give you the FPS you need.

**GAMING app**
The latest version of the MSI Gaming App is expanded with MSI Scenamax technology (under the EyeRest tab) to provide you easy access to image quality improving technology in the easy comfort of the MSI Gaming App.

**OC Mode**
Maximum Performance through higher clock speeds and increased fan performance

**Gaming Mode (Default)**
The best balance between in-game performance and thermal

**Silent Mode**
The best environment for minimal fan noise

**MSI Gaming app EyeRest Tab**
Quickly adjust display settings to your visual needs. Expand the tab by clicking on the "eyecon" and select your preferred setting.

**Eye Rest Mode**
Helps you sleep and rest better by reducing the blue light balance of your screen to let your body acclimatize to the night time.

**Gaming Mode**
More intense colors and increased contrast let's you live the gaming life as the creators meant it.

**Movie Mode**
Dynamically adjusts Gamma and Contrast ratios for the clearest movie viewing experience

**Twin Frozr V**
MSI's Twin Frozr series has been the definition of graphics card coolers in the PC industry. Kicking off the dual-fan trend, MSI today stays true to its design offering the best thermal and acoustic performance in its class.

Two powerful 10cm radius Torx Fans provide massive airflow thanks to the new dispersion blade, instantly reducing noise by about 5% compared to previous generation's designs. This reduces temperatures by about 10 degreesC at maximum fan speed compared to the Twin Frozr IV Advanced.

Under those fans lies a massive heat-sink with Airflow Control Technology which covers 90% of the fans diameter. Connected to the GPU is MSI's special SuperSU Architecture which allows the SuperPipes and regular size heat pipes to do their work more effectively.

**TORX FAN**
Brand-new fan design keeps you cool

**SUPERSU PIPE**
Increased dissipation efficiency

**ZERO FROZR**
Smart cooling, stay quiet.

**AIRFLOW CONTROL**
Improve airflow efficiency

**Military Class components**
One of the deciding factors in performance is the quality of the components used. That is why MSI only uses MIL-STD-810G certified components for its Gaming cards because only these components have proven to be able to withstand the torturous circumstances of extreme gaming and overclocking.

**Hi-c CAP**
A Hi-c CAP is a very small, but super-efficient capacitor. Besides ensuring enough spacing around a CPU socket to install large coolers, it also allows for 93% energy efficiency. Thanks to Hi-c CAP`s MSI mainboards are the most energy efficient in the market.

**Super Ferrite Chokes**
Super Ferrite Chokes use a Ferrite core that is Super-Permeable. This allows the Super Ferrite Chokes to run at a 35 degree Celsius lower temperature, have a 30% higher current capacity, a 20% improvement in power efficiency and better overclocking power stability.

### Solid CAP

With their aluminum core design, Solid CAP's have been a staple in high-end design mainboard designs and provides lower Equivalent Series Resistance (ESR) as well as its over-10-year lifespan.

### Afterburner

MSI Afterburner is world's favorite the favorite cross-vendor GPU overclocking tool. The easy interface gives access to the most detailed information about your graphics card and allows for tinkering with pretty much anything available on your graphics card.

Compatible with 64-bit Apps, available in many languages, including, Russian, Spanish, Chinese and Korean and completely customizable with many user-generated skins, everyone feels at home. You can also run Afterburner on your iOS or Android smartphone and the built-in benchmarking utility Kombustor gives you insight in your Graphics Cards' true performance.

### Predator

A built-in screen and video capturing tool named Predator which captures your screen as still images or videos with the push of a button and allows you to capture and record your coolest, goofiest and most awesome gaming moments on your PC!

### Specifications:

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| Specifications | |
|---|---|
| **Product Code** | GTX 970 GAMING 4G |
| **Graphics Processing Unit** | NVIDIA Geforce GTX 970 |
| **Interface** | PCI Express x16 3.0 |
| **Core Clock Speed (MHz)** | 1140MHz Core (Boost Clock:1279MHz) (OC Mode) |
| | 1114MHz Core (Boost Clock:1253MHz) (Gaming Mode) |
| | 1051MHz Core (Boost Clock:1178MHz) (Silent Mode) |
| **Memory Size (MB)** | 4096 |
| **Memory Type** | GDDR5 |
| **Memory Interface** | 256 bits |
| **Memory Clock Speed (MHz)** | 7010 |
| **DVI Connectors** | 2 (Dual-link DVI-I, Dual-link DVI-D) |
| | Max Resolution: 2048x1536 @60 Hz. |
| **HDMI Connectors** | 1 (version 1.4a/2.0) |
| | Max Resolution: 4096x2160 @24 Hz (1.4a), 3840x2160 @60 Hz (2.0) |
| **DisplayPort** | 1 (version 1.2) |
| | Max Resolution: 4096x2160 @60 Hz |
| **Maximum Displays** | 4 |
| **HDCP Support** | Y |
| **RAMDAC speed (MHz)** | 400 |
| **DirectX Version Support** | 12 |

| | |
|---|---|
| **OpenGL Version Support** | 4.4 |
| **Multi-GPU Technology** | SLI, 3-way |
| **Card Dimension(mm)** | 269 x 141 x 35 |
| **Card Weight (g)** | 814 |
| **Power consumption (W)** | 145 |
| **Recommended PSU (W)** | 500 |
| **Power Connectors** | 1x 8-pin, 1x 6-pin |
| **Accessories** | 1x 8-pin Power Cable, 1x DVI to VGA Dongle |

## Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

**Product page:**
**https://www.comx-computers.co.za/GTX-970-GAMING-4G-MSI-nVidia-GeForce-GTX970-Gaming-4GB-GDDR5-256-Bit-Graphics-Card-p-145405.php**

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