



# msi

GRAPHICS CARDS

## GeForce RTX 3060 GAMING X 12G



## SPECIFICATIONS

|                            |  |
|----------------------------|--|
| Model Name                 | GeForce RTX™ 3060 GAMING X 12G   |
| Graphics Processing Unit   | NVIDIA® GeForce RTX™ 3060  |
| Interface                  | PCI Express® Gen 4   |
| Cores                      | 3584 Units   |
| Core Clocks                | Boost: 1837 MHz  |
| Memory Speed               | 15 Gbps  |
| Memory                     | 12GB GDDR6   |
| Memory Bus                 | 192-bit  |
| Output                     | DisplayPort x 3 (v1.4a)<br>HDMI x 1 (Supports 4K@120Hz as specified in HDMI 2.1) |
| HDCP Support               | Y  |
| Power consumption          | 170 W  |
| Power connectors           | 8-pin x1 / 6-pin x1  |
| Recommended PSU            | 550 W  |
| Card Dimension (mm)        | 276 x 131 x 51 mm  |
| Weight (Card / Package)    | 996 g / 1567 g   |
| DirectX Version Support    | 12 API   |
| OpenGL Version Support     | 4.6  |
| NVLink Support             | N/A  |
| Maximum Displays           | 4  |
| VR Ready                   | Y  |
| G-SYNC® technology         | Y  |
| Adaptive Vertical Sync     | Y  |
| Digital Maximum Resolution | 7680x4320  |

## CONNECTIONS



1. DisplayPort
2. HDMI

## FEATURES



### TWIN FROZR 8

TWIN FROZR 8 offers the perfect balance between cool temperatures and quiet fans during endless gaming sessions.



### TORX FAN 4.0

A masterpiece of teamwork, fan blades work in pairs to create unprecedented levels of focused air pressure.



### Core Pipe

Precision-machined heat pipes ensure max contact and spread heat along the full length of the heatsink.



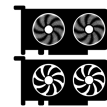
### Airflow Control

Don't sweat it, Airflow Control guides the air to exactly where it needs to be for maximum cooling.



### Aluminum Backplate

Thermal pads beneath the sturdy metal backplate provide additional cooling.



### Zero Frozr

Zero Frozr is the calm before the storm, keeping fans still and maintaining silence until cooling is needed.



### Dragon Center

MSI's exclusive Dragon Center software lets you monitor, tweak and optimize MSI products in real-time.



### Mystic Light

Mystic Light gives you complete control of the RGB lighting for MSI devices and compatible RGB products.