



# msi

GRAPHICS CARD  
**GEFORCE® RTX 2070  
GAMING Z**



## SPECIFICATIONS

Model Name	GeForce® RTX 2070 GAMING Z
Graphics Processing Unit	NVIDIA® GeForce® RTX 2070
Interface	PCI Express x16 3.0
Core Name	TU106-400A
Cores	2304 Units
Core Clock (boost/base)	1830 MHz / 1410 MHz
Memory Speed	14 Gbps
Memory	8GB GDDR6
Memory Bus	256-bit
Output	DisplayPort x 3 (v1.4) / HDMI 2.0b x 1 / USB Type-C x1
HDCP Support	2.2
Power consumption	225 W (default)
Power connectors	8-pin x 1, 6-pin x1
Recommended PSU	550 W
Card Dimension(mm)	307 x 155 x 50mm
Weight (card, w/ package)	1485 g / 2033 g
DirectX Version Support	12
OpenGL Version Support	4.5
Multi-GPU Technology	N/A
Maximum Displays	4
VR Ready	Y
G-SYNC™ technology	Y
Adaptive Vertical Sync	Y

## FEATURES



### TORX FAN 3.0

Award-winning fan design combining two different fin designs for cool & quiet gaming.



### TWIN FROZR 7 THERMAL DESIGN

Using two of the award-winning TORX Fans 3.0 with Double Ball Bearings and exclusive aerodynamic techniques, Twin Frozr 7 thermal design is the pinnacle of air cooling.



### RGB Mystic Light

Customize colors and LED effects with exclusive MSI software and synchronize the look & feel with other components.



### DOUBLE BALL BEARINGS

Strong and lasting core for the TORX Fan 3.0 to provide years of smooth and silent gaming.



### ZERO FROZR

Eliminates fan noise by stopping the fans in low-load situations so you can focus on your game.



### Mastery of Aerodynamics

Using groundbreaking aerodynamic techniques, the heatsink is optimized for efficient heat dissipation.



### OC PERFORMANCE

MSI OC graphics cards are equipped with higher clock speeds out of the box for increased performance.



### MSI Afterburner

The ultimate overclocking software with advanced control options and real-time hardware monitor.