



msi

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



SPECIFICATIONS

Model Name	GeForce® RTX 2070 GAMING X
Graphics Processing Unit	NVIDIA® GeForce® RTX 2070
Interface	PCI Express x16 3.0
Core Name	TU106-400A
Cores	2304 Units
Core Clock (boost/base)	1710 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.