



# msi

# GRAPHICS CARD GEFORCE® GTX 1650 SUPER™ GAMING X



## SPECIFICATION

<b>Model Name</b>	GeForce® GTX 1650 SUPER™ GAMING X
<b>Graphics Processing Unit</b>	NVIDIA® GeForce® GTX 1650 SUPER™
<b>Interface</b>	PCI Express x16 3.0
<b>Cores</b>	1280 Units
<b>Core Clocks</b>	Boost:1755MHz
<b>Memory Speed</b>	12 Gbps
<b>Memory</b>	4GB GDDR6
<b>Memory Bus</b>	128-bit
<b>Output</b>	DisplayPort x 3 (v1.4) / HDMI 2.0b x 1
<b>HDCP Support</b>	2.2
<b>Power consumption</b>	100 W
<b>Power connectors</b>	6-pin x 1
<b>Recommended PSU</b>	350 W
<b>Card Dimension(mm)</b>	248 x 127 x 44 mm
<b>Weight (Card / Package)</b>	742 g / 1371 g
<b>DirectX Version Support</b>	12 API
<b>OpenGL Version Support</b>	4.6
<b>Maximum Displays</b>	4
<b>VR Ready</b>	Y
<b>G-SYNC® technology</b>	Y
<b>Adaptive Vertical Sync</b>	Y
<b>Digital Maximum Resolution</b>	7680x4320

## CONNECTIONS



1. DisplayPort
2. HDMI

## FEATURE



### TORX FAN 3.0

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



### Mastery of Aerodynamics

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



### ZERO FROZR

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



### CUSTOM PCB

An optimized PCB design with enhanced power delivery provides a solid base for high performance gaming.



### DRAGON CENTER

A consolidated platform that offers all software including MYSTIC LIGHT functionality for your MSI Gaming product.



### 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.



### NVIDIA® G-SYNC®

Gives you more of what you want in a gaming experience. Incredibly smooth, tear-free gameplay at refresh rates up to 240 Hz.