



# msi

## GRAPHICS CARD GEFORCE® GTX 1080 Ti LIGHTNING Z



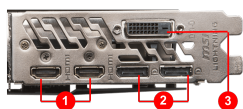
### VR READY



## SPECIFICATIONS

Model Name	GeForce® GTX 1080 Ti LIGHTNING Z
Graphics Processing Unit	NVIDIA® GeForce® GTX 1080 Ti
Interface	PCI Express x16 3.0
Core Name	GP102-350
Cores	3584 Units
Core Clocks	1721 MHz / 1607 MHz (Lightning Mode) 1695 MHz / 1582 MHz (Gaming Mode) 1582 MHz / 1480 MHz (Silent Mode)
Memory Clock Speed	11124 MHz (Lightning / Gaming Mode) 11016 MHz (Silent mode)
Memory	11GB GDDR5X
Memory Bus	352-bit
Output	DisplayPort x 2 (Version 1.4) / HDMI x 2 (Version 2.0b) / DL-DVI-D
HDCP Support	2.2
Power consumption	250 W
Power connectors	8-pin x 3
Recommended PSU	750 W
Card Dimension(mm)	320 x 140 x 61 mm
Weight (Card / Package)	1707 g / 2988 g
DirectX Version Support	12
OpenGL Version Support	4.5
Multi-GPU Technology	SLI, 2-Way
Maximum Displays	4
VR Ready	Y
G-SYNC™ technology	Y
Adaptive Vertical Sync	Y

## CONNECTIONS



1. HDMI
2. DisplayPort
3. DVI-D

## FEATURES



### LEGENDARY OVERCLOCKING POTENTIAL

MSI LIGHTNING cards are designed from the ground up for extreme overclocking and extreme performance.



### TRI-FROZR THERMAL DESIGN

Using three of the award-winning TORX 2.0 Fans with Double Ball Bearings, Tri-Frozr is the pinnacle of air cooling.



### PERSONALIZE YOUR CARD

Customize your graphics card by applying the color highlights of your choice.



### PURE DIGITAL PWM CONTROL

Enables extremely accurate control and monitoring of power delivery to specific key components.



### RGB Mystic Light

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



### CLOSE QUARTERS HEAT PIPES

Heat pipes infused into the Close Quarters Heatsink and Backplate for greatly improved thermal performance.



### Double Ball Bearings

Strong and lasting core for the TORX 2.0 Fans to provide years of smooth and silent gaming.



### Military Class 4 Components

Using only the highest quality components means you get reliable and stable in-game performance.

## TRUE GAMING

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