



# msi

GRAPHICS CARD

## GEFORCE® GTX 1080 TI LIGHTNING X



### SPECIFICATIONS

|                                 |  |
|---------------------------------|--|
| <b>Model Name</b>               | GeForce® GTX 1080 Ti LIGHTNING X   |
| <b>Graphics Processing Unit</b> | NVIDIA® GeForce® GTX 1080 Ti   |
| <b>Interface</b>                | PCI Express x16 3.0  |
| <b>Core Name</b>                | GP102-350  |
| <b>Cores</b>                    | 3584 Units   |
| <b>Core Clocks</b>              | 1683 MHz / 1569 MHz (Lightning Mode)<br>1657 MHz / 1544 MHz (Gaming Mode)<br>1582 MHz / 1480 MHz (Silent Mode) |
| <b>Memory Clock Speed</b>       | 11124 MHz (Lightning / Gaming Mode)<br>11016 MHz (Silent mode)   |
| <b>Memory</b>                   | 11GB GDDR5X  |
| <b>Memory Bus</b>               | 352-bit  |
| <b>Output</b>                   | DisplayPort x 2 (Version 1.4) / HDMI x 2 (Version 2.0b) / DL-DVI-D   |
| <b>HDCP Support</b>             | 2.2  |
| <b>Power consumption</b>        | 250 W  |
| <b>Power connectors</b>         | 8-pin x 3  |
| <b>Recommended PSU</b>          | 750 W  |
| <b>Card Dimension(mm)</b>       | 320 x 140 x 61 mm  |
| <b>Weight (Card / Package)</b>  | 1707 g / 2988 g  |
| <b>DirectX Version Support</b>  | 12   |
| <b>OpenGL Version Support</b>   | 4.5  |
| <b>Multi-GPU Technology</b>     | SLI, 2-Way   |
| <b>Maximum Displays</b>         | 4  |
| <b>VR Ready</b>                 | Y  |
| <b>G-SYNC™ technology</b>       | Y  |
| <b>Adaptive Vertical Sync</b>   | Y  |

### FEATURES

#### Tri-Frozr Thermal Design

- Using three of the award-winning TORX 2.0 Fans with Double Ball Bearings, the new LIGHTNING is once again the pinnacle of air cooling.

#### Close Quarters Heat Pipe Cooling

- Pipe down with heat pipes infused into the Close Quarters Heatsink and Backplate for greatly improved thermal performance.

#### Legendary OC Potential

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

#### Military Class 4 Components

- Certified to MIL-STD-810G standards for top stability and quality.
- Built with Hi-c CAP, Solid CAP, and New SFC components.

For more information check our [Product page](#)

This datasheet was generated on Jun 30 2017

Product specifications and colors are subject to change without notice and may vary from those shown. Errors and omissions excepted.