



## SPECIFICATIONS

<b>Memory</b>	12GB GDDR6X
<b>Graphics Engine</b>	NVIDIA® GeForce RTX™ 3080 Ti
<b>Bus Standard</b>	PCI Express® Gen 4
<b>Memory Interface</b>	384-bit
<b>Core Clock Speed(MHz)</b>	EXTREME Mode: 1845 MHz (MSI Center) GAMING Mode & SILENT Mode: 1830 MHz
<b>Memory Clock Speed(MHz)</b>	19 Gbps
<b>Maximum Displays</b>	4
<b>G-SYNC™ technology</b>	Y
<b>Adaptive Vertical Sync</b>	Y
<b>Output</b>	DisplayPort x 3 (v1.4a) HDMI™ x 1 (Supports 4K@120Hz as specified in HDMI™ 2.1)
<b>HDCP Support</b>	Y
<b>Power consumption (W)</b>	400W
<b>Recommended Power Supply (W)</b>	850W
<b>Digital Maximum Resolution</b>	7680 x 4320
<b>Virtual Reality Ready</b>	Y
<b>Power Connectors</b>	8-pin x 3
<b>DirectX Version Support</b>	12 API
<b>OpenGL Version Support</b>	4.6
<b>Card Dimension(mm)</b>	336 x 140 x 61 mm
<b>Weight</b>	1905 g / 3230 g

## FEATURES

- Core Pipe**  
 Precision-machined heat pipes ensure max contact to the GPU and spread heat along the full length of the heatsink.
- Close Quarters Heatpipe & Heatsink**  
 Memory modules have their own close quarters heatpipe and heatsink for dedicated cooling.
- Dual BIOS**  
 Dual BIOS gives you the choice to prioritize for full performance in GAMING mode or low noise in SILENT mode.
- TORX FAN 4.0**  
 A masterpiece of teamwork, fan blades work in pairs to create unprecedented levels of focused air pressure.
- Airflow Control**  
 Don't sweat it, Airflow Control guides the air to exactly where it needs to be for maximum cooling.
- Aluminum Backplate**  
 Thermal pads beneath the sturdy metal backplate provide additional cooling.
- TRI FROZR 2S**  
 Thermals are kept in check in masterful ways under that sculpted exterior, letting you focus on your games.
- MSI Center**  
 The exclusive MSI Center software lets you monitor, tweak and optimize MSI products in real-time.