



## SPECIFICATIONS

<b>Model Name</b>	GeForce RTX™ 3090 Ti SUPRIM X 24G
<b>Graphics Processing Unit</b>	NVIDIA® GeForce RTX™ 3090 Ti
<b>Interface</b>	PCI Express® Gen 4
<b>Core Clocks</b>	Extreme Performance: 1965 MHz (MSI Center) Boost: 1950 MHz (GAMING & SILENT Mode)
<b>CUDA® CORES</b>	10752 Units
<b>Memory Speed</b>	21 Gbps
<b>Memory</b>	24GB GDDR6X
<b>Memory Bus</b>	384-bit
<b>Output</b>	DisplayPort x 3 (v1.4a) HDMI x 1 (2.1) (Supports 4K 120Hz HDR, 8K 60Hz HDR and Variable Refresh Rate as specified in HDMI 2.1)
<b>HDCP Support</b>	Y
<b>Power consumption</b>	480W
<b>Power connectors</b>	16-pin x 1
<b>Recommended PSU</b>	850 W
<b>Card Dimension (mm)</b>	338 x 140 x 71 mm
<b>Weight (Card / Package)</b>	2154g / 3309g
<b>DirectX Version Support</b>	12 Ultimate
<b>OpenGL Version Support</b>	4.6
<b>NVLink Support</b>	Y
<b>Maximum Displays</b>	4
<b>VR Ready</b>	Y
<b>G-SYNC® technology</b>	Y
<b>Digital Maximum Resolution</b>	7680 x 4320

## FEATURES



### TRI FROZR 2S

Thermals are kept in check in masterful ways under that sculpted exterior, letting you focus on your games.



### TORX FAN 4.0

A masterpiece of teamwork, fan blades work in pairs to create unprecedented levels of focused air pressure.



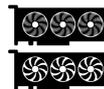
### Core Pipe

Precision-machined heat pipes ensure max contact and spread heat along the full length of the heatsink.



### Airflow Control

Don't sweat it, Airflow Control guides the air to exactly where it needs to be for maximum cooling.



### Zero Frozr

The fans completely stop when temperatures are relatively low, eliminating all noise.



### Metal Backplate

Thermal pads under the sturdy metal backplate provide additional cooling while the flow-through ventilation reduces trapped heat.



### Dual BIOS

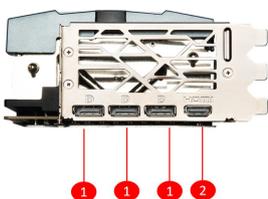
Dual BIOS gives you the choice to prioritize for full performance in GAMING mode or low noise in SILENT mode.



### MSI Center

Migrate data with backup & restore functionality, monitor drive health and performance metrics in real-time in MSI Center.

## CONNECTIONS



1. DisplayPort
2. HDMI



GRAPHICS CARDS

# GeForce RTX™ 3090 Ti SUPRIM X 24G



Generated 2022-09-21, check for the latest version [www.msi.com/datasheet](http://www.msi.com/datasheet). The information provided in this document is intended for informational purposes only and is subject to change without notice.