







## **SPECIFICATIONS**

Graphics Processing UnitNVIDIA® GeForce RTX 3080 TiInterfacePCI Express® Gen 4Cores10240 UnitsCore ClocksEXTREME Mode: 1845 MHz (MSI Center) GAMING Mode & SILENT Mode: 1830 MHzMemory Speed19 GbpsMemory Bus384-bitOutputDisplayPort x 3 (v1.4a) HDMI x 1 (Supports 4K@120Hz as specified in HDMI 2.1)HDCP SupportYPower consumption400WPower connectors8-pin x 3Recommended PSU850WCard Dimension (mm)336 x 140 x 61 mmWeight (Card / Package)1905 g / 3230 gDirectX Version Support4.6Multi-GPU TechnologyYMaximum Displays4VR ReadyYG-SYNC® technologyYAdaptive Vertical SyncYDigital Maximum Resolution7680 x 4320	Model Name	GeForce RTX <sup>™</sup> 3080 Ti SUPRIM X 12G
Core Clocks  EXTREME Mode: 1845 MHz (MSI Center) GAMING Mode & SILENT Mode: 1830 MHz  Memory Speed  19 Gbps  Memory Bus  384-bit  DisplayPort x 3 (v1.4a) HDMI x 1 (Supports 4K@120Hz as specified in HDMI 2.1)  HDCP Support  Y  Power consumption  Power connectors  8-pin x 3  Recommended PSU  Card Dimension (mm)  Weight (Card / Package)  DirectX Version Support  Maximum Displays  4  VR Ready  VA  G-SYNC* technology  Y  Adaptive Vertical Sync  19 Gbps  12 GAPI  19 Gbps  10 GAMING Mode & SILENT Mode: 1830 MHz  19 Gbps  10 GAMING Mode & SILENT Mode: 1830 MHz  10 GAMING Mode & SILENT Mode: 1830 MHz  10 GAMING Mode & SILENT Mode: 1830 MHz  10 GAMING Mode: 1845 MHz (MSI Center)  6 GAMING Mode: 1845 MHz (MSI Center)  19 GBMING Mode: 1845 MHz (MSI Center)  19 GAMING Mede: 1830 MHz (MIS)  19 GAMING Mede: 1830 MHz (MIS)  19 GAMING Mede: 1830 MHz (MIS)  19 GAMING Mede: 1830 MHz  19 GAMING Mede: 1830	<b>Graphics Processing Unit</b>	NVIDIA® GeForce RTX™ 3080 Ti
Core Clocks  EXTREME Mode: 1845 MHz (MSI Center) GAMING Mode & SILENT Mode: 1830 MHz  Memory Speed  19 Gbps  Memory 12GB GDDR6X  Memory Bus  384-bit  DisplayPort x 3 (v1.4a) HDMI x 1 (Supports 4K@120Hz as specified in HDMI 2.1)  HDCP Support  Y  Power consumption  Power connectors  8-pin x 3  Recommended PSU  850W  Card Dimension (mm)  336 x 140 x 61 mm  Weight (Card / Package)  DirectX Version Support  12 API  OpenGL Version Support  4.6  Multi-GPU Technology  Maximum Displays  VR Ready  Y  G-SYNC® technology  Y  Adaptive Vertical Sync	Interface	PCI Express <sup>®</sup> Gen 4
GAMING Mode & SILENT Mode: 1830 MHz  Memory Speed 19 Gbps  Memory 12GB GDDR6X  Memory Bus 384-bit  DisplayPort x 3 (v1.4a) HDMI x 1 (Supports 4K@120Hz as specified in HDMI 2.1)  HDCP Support Y Power consumption 400W  Power connectors 8-pin x 3  Recommended PSU 850W  Card Dimension (mm) 336 x 140 x 61 mm  Weight (Card / Package) 1905 g / 3230 g  DirectX Version Support 4.6  Multi-GPU Technology Y Maximum Displays 4  VR Ready Y G-SYNC® technology Y  Adaptive Vertical Sync Y	Cores	10240 Units
Memory     12GB GDDR6X       Memory Bus     384-bit       DisplayPort x 3 (v1.4a) HDMI x 1 (Supports 4K@120Hz as specified in HDMI 2.1)       HDCP Support     Y       Power consumption     400W       Power connectors     8-pin x 3       Recommended PSU     850W       Card Dimension (mm)     336 x 140 x 61 mm       Weight (Card / Package)     1905 g / 3230 g       DirectX Version Support     12 API       OpenGL Version Support     4.6       Multi-GPU Technology     Y       Maximum Displays     4       VR Ready     Y       G-SYNC® technology     Y       Adaptive Vertical Sync     Y	Core Clocks	,
Memory Bus  384-bit  DisplayPort x 3 (v1.4a) HDMI x 1 (Supports 4K@120Hz as specified in HDMI 2.1)  HDCP Support  Y  Power consumption Power connectors 8-pin x 3  Recommended PSU 850W  Card Dimension (mm) 336 x 140 x 61 mm  Weight (Card / Package) 1905 g / 3230 g  DirectX Version Support 12 API  OpenGL Version Support 4.6  Multi-GPU Technology Y  Maximum Displays 4  VR Ready Y  G-SYNC® technology Adaptive Vertical Sync  Y	Memory Speed	19 Gbps
Output  DisplayPort x 3 (v1.4a) HDMI x 1 (Supports 4K@120Hz as specified in HDMI 2.1)  HDCP Support Y Power consumption Power connectors 8-pin x 3 Recommended PSU 850W Card Dimension (mm) 336 x 140 x 61 mm Weight (Card / Package) 1905 g / 3230 g DirectX Version Support 12 API OpenGL Version Support 4.6 Multi-GPU Technology Y Maximum Displays 4 VR Ready VR Ready Possible Support Y Adaptive Vertical Sync Y	Memory	12GB GDDR6X
Output HDMI x 1 (Supports 4K@120Hz as specified in HDMI 2.1)  HDCP Support Y  Power consumption 400W  Power connectors 8-pin x 3  Recommended PSU 850W  Card Dimension (mm) 336 x 140 x 61 mm  Weight (Card / Package) 1905 g / 3230 g  DirectX Version Support 12 API  OpenGL Version Support 4.6  Multi-GPU Technology Y  Maximum Displays 4  VR Ready Y  G-SYNC® technology Y  Adaptive Vertical Sync Y	Memory Bus	384-bit
Power consumption 400W Power connectors 8-pin x 3 Recommended PSU 850W Card Dimension (mm) 336 x 140 x 61 mm Weight (Card / Package) 1905 g / 3230 g DirectX Version Support 12 API OpenGL Version Support 4.6 Multi-GPU Technology Y Maximum Displays 4 VR Ready Y G-SYNC® technology Y Adaptive Vertical Sync Y	Output	HDMI x 1 (Supports 4K@120Hz as specified
Power connectors 8-pin x 3  Recommended PSU 850W  Card Dimension (mm) 336 x 140 x 61 mm  Weight (Card / Package) 1905 g / 3230 g  DirectX Version Support 12 API  OpenGL Version Support 4.6  Multi-GPU Technology Y  Maximum Displays 4  VR Ready Y  G-SYNC® technology Y  Adaptive Vertical Sync Y	HDCP Support	Y
Recommended PSU 850W  Card Dimension (mm) 336 x 140 x 61 mm  Weight (Card / Package) 1905 g / 3230 g  DirectX Version Support 12 API  OpenGL Version Support 4.6  Multi-GPU Technology Y  Maximum Displays 4  VR Ready Y  G-SYNC® technology Y  Adaptive Vertical Sync Y	Power consumption	400W
Card Dimension (mm) 336 x 140 x 61 mm  Weight (Card / Package) 1905 g / 3230 g  DirectX Version Support 12 API  OpenGL Version Support 4.6  Multi-GPU Technology Y  Maximum Displays 4  VR Ready Y  G-SYNC® technology Y  Adaptive Vertical Sync Y	Power connectors	8-pin x 3
Weight (Card / Package) DirectX Version Support 12 API OpenGL Version Support 4.6 Multi-GPU Technology Y Maximum Displays 4 VR Ready VR G-SYNC® technology Adaptive Vertical Sync  1905 g / 3230 g 12 API 4.6  V 4.6  Y  4.6  Y  4.7  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y  Y	Recommended PSU	850W
DirectX Version Support 12 API OpenGL Version Support 4.6  Multi-GPU Technology Y  Maximum Displays 4  VR Ready Y  G-SYNC® technology Y  Adaptive Vertical Sync Y	Card Dimension (mm)	336 x 140 x 61 mm
OpenGL Version Support 4.6  Multi-GPU Technology Y  Maximum Displays 4  VR Ready Y  G-SYNC® technology Y  Adaptive Vertical Sync Y	Weight (Card / Package)	1905 g / 3230 g
Multi-GPU Technology  Maximum Displays  VR Ready  G-SYNC® technology  Adaptive Vertical Sync  Y	DirectX Version Support	12 API
Maximum Displays 4  VR Ready Y  G-SYNC® technology Y  Adaptive Vertical Sync Y	OpenGL Version Support	4.6
VR Ready Y G-SYNC® technology Y Adaptive Vertical Sync Y	Multi-GPU Technology	Y
G-SYNC® technology Adaptive Vertical Sync Y	Maximum Displays	4
Adaptive Vertical Sync Y	VR Ready	Y
	G-SYNC® technology	Y
Digital Maximum Resolution 7680 x 4320	Adaptive Vertical Sync	Y
	Digital Maximum Resolution	7680 x 4320

## CONNECTIONS



- 1. DisplayPort
- 2. HDMI

## **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.



### **Airflow Control**

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



## **Core Pipe**

Precision-machined heat pipes ensure max contact 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.



# **Aluminum Backplate**

Thermal pads beneath the sturdy metal backplate provide additional cooling.



## **MSI Center**

The exclusive MSI Center software lets you monitor, tweak and optimize MSI products in real-time.



### **Dual BIOS**

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

TRUE GAMING