

GeForce RTX™ 5070 Ti 16G VANGUARD  
SOC LAUNCH EDITION

## SPECIFICATIONS

Marketing Name	GeForce RTX™ 5070 Ti 16G VANGUARD SOC LAUNCH EDITION
Memory	16GB GDDR7
Graphics Engine	NVIDIA® GeForce RTX™ 5070 Ti
Bus Standard	PCI Express® Gen 5
Memory Interface	256-bit
Core Clock Speed(MHz)	Extreme Performance: 2602 MHz (MSI Center) Boost: 2588 MHz (GAMING & SILENT Mode)
Memory Clock Speed(MHz)	28 Gbps
Maximum Displays	4
G-SYNC™ technology	Y
Output	DisplayPort x 3 (v2.1b) HDMI™ x 1 (As specified in HDMI™ 2.1b: up to 4K 480Hz or 8K 120Hz with DSC, Gaming VRR, HDR)
HDCP Support	Y
Power consumption (W)	300W
Recommended Power Supply (W)	750W
Digital Maximum Resolution	7680 x 4320
Power Connectors	16-pin x 1 (ATX 3.1 PSU recommended)
DirectX Version Support	12 Ultimate
OpenGL Version Support	4.6
Card Dimension(mm)	357 x 151 x 66 mm
Weight	1945 g / 3991 g

## CONNECTIONS



1. DisplayPort
2. HDMI™

## FEATURES



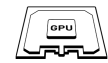
## HYPER FROZR THERMAL DESIGN

An apex evolution of advanced thermal design that delivers unparalleled cooling and quiet operation.



## STORMFORCE FAN

Seven fan blades, claw texturing, and a circular arc are designed for optimal airflow with minimal noise.



## Advanced Vapor Chamber

Built-in Vapor Chamber swiftly transfers heat from the GPU and VRAM to the core pipe for optimal dissipation.



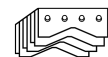
## Core Pipes

Core Pipes feature a square design to maximize contact with the GPU baseplate for optimal thermal management.



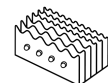
## Filled Fins

Updated heat pipe pathing has allowed more space for additional heatsink fins.



## Air Antegrade Fin 2.0

The fins feature a V-shaped cutout and a high-low design at the airflow passthrough to optimize flow efficiency.



## Wave Curved 4.0

Precision-engineered wave edges with a high-low fin design enhance airflow and reduce turbulence.



## Metal Backplate

A reinforcing metal backplate with airflow vents and thermal pads enhances cooling.



## Dual BIOS

Dual BIOS lets you set the priority to full performance in GAMING mode or low noise in SILENT mode.



## MSI Center

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