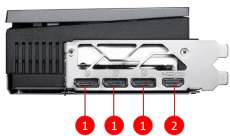




## SPECIFICATIONS

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



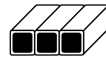
### STORMFORCE FAN

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.



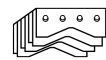
### Core Pipes

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



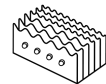
### Filled Fins

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.