



## SPECIFICATIONS

Marketing Name	GeForce RTX™ 5080 16G VANGUARD SOC
Model Name	G5080-16VGS
Graphics Processing Unit	NVIDIA® GeForce RTX™ 5080
Interface	PCI Express® Gen 5
Core Clocks	Extreme Performance: 2745 MHz (MSI Center) Boost: 2730 MHz (GAMING & SILENT Mode)
CUDA® CORES	10752 Units
Memory Speed	30 Gbps
Memory	16GB GDDR7
Memory Bus	256-bit
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	360W
Power connectors	16-pin x 1
Recommended PSU	850W
Card Dimension (mm)	357 x 151 x 66 mm
Weight (Card / Package)	1945 g / 2844 g
DirectX Version Support	12 Ultimate
OpenGL Version Support	4.6
Maximum Displays	4
G-SYNC® technology	Y
Digital Maximum Resolution	7680 x 4320

## CONNECTIONS



1. DisplayPort
2. HDMI™

## FEATURES

### HYPER FROZR THERMAL DESIGN



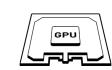
An apex evolution of advanced thermal design that delivers unparalleled cooling and quiet operation.

### STORMFORCE FAN



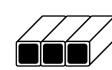
Seven fan blades, claw texturing, and a circular arc are designed for optimal airflow with minimal noise.

### Advanced Vapor Chamber



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

### Core Pipes



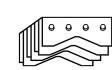
Core Pipes feature a square design to maximize contact with the GPU baseplate for optimal thermal management.

### Filled Fins



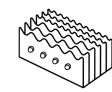
Updated heat pipe pathing has allowed more space for additional heatsink fins.

### 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.