msi®

SPECIFICATIONS

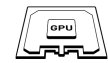|	
Marketing Name	GeForce RTX™ 5070 12G VANGUARD OC
Model Name	G5070-12VGC
Graphics Processing Unit	NVIDIA® GeForce RTX™ 5070
Interface	PCI Express® Gen 5
Core Clocks	Extreme Performance: 2625 MHz (MSI Center) Boost: 2610 MHz
Cores	6144 Units
Memory Speed	28 Gbps
Memory	12GB GDDR7
Memory Bus	192-bit
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	250W
Power Connectors	16-pin x 1 (ATX 3.1 PSU recommended)
Recommended PSU (W)	650W
Card Dimension(mm)	337 x 140 x 61 mm
Weight (Card / Package)	1503 g / 2296 g
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.
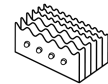
Core Pipes

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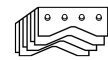
Filled Fins

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

Wave Curved 4.0

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

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.

Metal Backplate

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

MSI Center

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

Afterburner

Take full control with the most recognized and widely used graphics card overclocking software in the world.