Predator GM9000 Heatsink SSD

Predator GM9000 Heatsink is a high-performance PCIe Gen5x4 SSD featuring a dual-layer thermal cooling design that combines an enhanced heatsink and active fan. Engineered for sustained workloads and high-throughput scenarios, this Gen5 drive delivers read speeds up to 14000 MB/s and write speeds up to 13000 MB/s, supported by independent DRAM Cache of up to 8 GB. For gamers, creators, and technical professionals, GM9000 Heatsink is a faster, cooler, and more reliable solution that sustains throughput and stability under intensive I/O (Input/Output) conditions.

Gen5
PCIe Gen5x4
NVMe 2.0

Capacity
Up to 8 TB

DRAM Cache
Up to 8 GB

Up to 6400 TBW

Up to 14000 MB/s Read
& 13000 MB/s Write

Product Features

Dual Cooling, Maximum Heat Transfer

Predator GM9000 Heatsink integrates a dual-layer thermal solution, combining a high-efficiency heatsink with a cooling fan, delivering up to 23% better cooling efficiency compared to the standard GM9000. Stay cool under pressure with the GM9000 Heatsink, designed to handle intense, nonstop workloads.

PCIe Gen5×4, Loads Faster

Predator GM9000 Heatsink harnesses the power of the PCIe Gen5×4 interface to deliver up to 14000 MB/s read and 13000 MB/s write speeds. More than a generational leap in bandwidth, this performance offers tangible gains in professional workflows—faster access to data-heavy creative assets, quicker model iterations, and seamless complex file handling.

Independent DRAM Cache for Accelerated Access

Engineered for speed, the Predator GM9000 Heatsink uses DRAM cache for rapid access and task control, while dynamic SLC cache accelerates short-burst write performance. This multi-tiered architecture reduces I/O latency and smooths data flow under heavy workloads.

Integrated Technologies for Long-Term Reliability

Predator GM9000 Heatsink integrates advanced technologies that maintain system responsiveness across diverse workloads, including power management, Microsoft DirectStorage, SLC cache and TRIM, wear leveling, and more. These technologies operate as a unified framework to ensure the drive remains more responsive, more stable, and more reliable even under heavy workloads.

Wide Compatibility for Easy Integration

Predator GM9000 Heatsink adopts a single-sided M.2 2280 layout for broad integration across modern systems. It is fully compatible with Intel 13th/14th Gen Core processors, Core Ultra 200S series, and AMD Ryzen 7000/9000 series platforms. Supporting PCIe 5.0 while maintaining backward compatibility with PCIe 4.0 and 3.0 interfaces, GM9000 is ready for both cutting-edge builds and high-efficiency upgrades.

Up to 8 TB, Works Across Heavy Tasks

Predator GM9000 Heatsink is available in capacities up to 8 TB, built to house expansive game libraries, high-resolution textures, expansive saves, and captured content, all in one high-performance drive. For developers, creators, and power users, the GM9000 Heatsink offers the space needed to manage large project files, multi-environment builds, and virtualized systems, ensuring fast and efficient access across your workloads.

Predator Advantage

Predator is a high-end gaming brand owned by the world-renowned PC manufacturer Acer. With a respected series of premium products for hardcore gamers and enthusiasts, the Predator brand is recognized as a leader in the gaming community by experts and influencers. Under an official license, Predator storage and memory products are designed, built, and marketed by BIWIN, a specialist maker of SSDs. Meeting strict licensing conditions ensures each product lives up to the brand name.

Specifications

Product Specifications

Model Name	Predator GM9000 Heatsink			
Form Factor	M.2 2280			
Interface	PCIe Gen5×4			
Capacity	1 TB	2 TB	4 TB	8 TB
DRAM Cache	1 GB	2 GB	4 GB	8 GB
Sequential Read (Up to)	14000 MB/s	14000 MB/s	14000 MB/s	14000 MB/s
Sequential Write (Up to)	10500 MB/s	13000 MB/s	13000 MB/s	13000 MB/s
Random Read 4K (Up to)	1600K IOPS	2000K IOPS	2000K IOPS	2000K IOPS
Random Write 4K (Up to)	1600K IOPS	1600K IOPS	1600K IOPS	1600K IOPS
Dimensions	1-4 TB: 80.00 × 25.00 × 22.94 mm (single-sided) 8 TB: 80.00 × 25.00 × 22.94 mm (double-sided)			
Weight	‹65 g			
Operating Temperature	0°C to +70°C			
Storage Temperature	-40°C to +85°C			
MTBF	1,500,000 hours			
Certifications	CE, FCC, RoHS, CB, KCC, BSMI, VCCI, RCM, UKCA			
Warranty	5-Year / 800 TBW	5-Year / 1600 TBW	5-Year / 3200 TBW	5-Year / 6400 TBW

1.Tested in our labs. Actual performance may vary due to systems, devices, or environment.
2.Maintenance and future updates are required throughout the product lifecycle. Specifications are subject to change without notice.
3.The pictures are for illustration only. Actual products may vary due to product enhancements or changes.
4.Not all products are sold in all regions of the world.
5.As used for storage capacity, one megabyte (MB)= one million bytes, one gigabyte (GB) = one billion bytes, and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on the operating environment. As used for buffer or cache, one megabyte (MB) = 1,048,576 bytes. As used for transfer rate or interface, megabyte per second (MB/s) = one million bytes per second, and gigabyte per second (GB/s) = one billion bytes per second.
6.MTBF = Mean Time Between Failures based on internal testing using Telcordia stress testing standard.
7.Please visit www.predatorstorage.com for more details.

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1-866-351-8791

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Email: Storage.SupportUS@acer.com
Chat: Go.Acer.com/US.Storage.Chat

Other Countries:
Email: CS@predatorstorage.com

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