



Baseline ID# 1950637

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General Information

PerformanceTest Windows	Version 10.2.1017
Baseline ID	1950637
Operating System	Windows 10 Professional Edition build 19045 (64-bit)
Submitted Date	20th of November, 2023

Benchmark Scores

Passmark Rating	11,736	★★★★★
- CPU Mark ⓘ	43,373	★★★★★
Integer Math	154,633 MOps/Sec	
Floating Point Math	85,070 MOps/Sec	
Find Prime Numbers	320 Million Primes/Sec	
Random String Sorting	59,278 Thousand Strings/Sec	
Data Encryption	33,738 MBytes/Sec	
Data Compression	510 MBytes/Sec	
Physics	2,409 Frames/Sec	
Extended Instructions	36,023 Million Matrices/Sec	
Single Thread	3,796 MOps/Sec	
- 2D Graphics Mark	1,635	★★★★★
Simple Vectors	26 Thousand Vectors/Sec	
Fonts and Text	676 Ops/Sec	
Windows Interface	79 Ops/Sec	
Image Filters	4,940 Filters/Sec	
Image Rendering	507 Thousand Images/Sec	
Direct 2D	92 Frames/Sec	
PDF Rendering	92 Ops/Sec	
Direct 2D - SVG	99 Frames/Sec	
- 3D Graphics Mark ⓘ	37,318	★★★★★
DirectX 9	339 Frames/Sec	
DirectX 10	436 Frames/Sec	
DirectX 11	783 Frames/Sec	
DirectX 12	178 Frames/Sec	
GPU Compute	18,344 Ops/Sec	
- Memory Mark ⓘ	3,734	★★★★★
Database Operations	9,048 KOps/Sec	
Memory Read Cached	38,666 MBytes/Sec	
Memory Read Uncached	26,343 MBytes/Sec	
Memory Write	18,446 MBytes/Sec	
Available RAM	61,742 Megabytes	
Memory Latency	44 ns (lower is better)	
Memory Threaded	54,020 MBytes/Sec	
- Disk Mark ⓘ	48,268	★★★★★
Disk Sequential Read	4,209 MBytes/Sec	
Disk Sequential Write	4,729 MBytes/Sec	
IOPS 32KQD20	4,522 MBytes/Sec	
IOPS 4KQD1	123 MBytes/Sec	

Hardware

CPU Type	AMD Ryzen 9 5900X
CPU Measured Speed	4.00 GHz [Turbo: 4.95 GHz]
Motherboard	Micro-Star International Co., Ltd. MPG X570S CARBON MAX WIFI (MS-7D52)
Memory	64GB, Patriot Memory (PDP Systems) 3600 C18 Series
Video Card Tested	Radeon RX 6950 XT
Hard Drive Tested	Seagate FireCuda 530 4TB (4 TB)



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