

Today's hottest deals

CPUGPUSSDHDDRUSB RAM MBD

MSI MPG Z490 GAMING PLUS

Performance Results

ADD TO PC BUILD

TEST YOUR PC

Gaming 132%
UFO

Desktop 103%
UFO

Workstation 133%
UFO

Save results

Copy results

User guide

</>

f

PC Status

Overall this PC is performing as expected (55th percentile). This means that out of 100 PCs with exactly the same components, 45 performed better. The overall PC percentile is the average of each of its individual components.

Processor

With an outstanding **single core** score, this CPU is the cat's whiskers: It demolishes everyday tasks such as web browsing, office apps and audio/video playback. Additionally this processor can handle intensive workstation, and even full-fledged server workloads. Finally, with a gaming score of 101%, this CPU's suitability for 3D gaming is outstanding.

Graphics

130% is an outstanding 3D score, it's the bee's knees. This GPU can handle almost all 3D **games** at very high resolutions and ultra detail levels.

Boot Drive

248% is an exceptional SSD score. This drive is suitable for heavy workstation use, it will facilitate fast boots, responsive applications and allow for fast transfers of multi-gigabyte files.

Memory

32GB is enough RAM to run any version of Windows and it's far more than any current game requires. 32GB will also allow for large file and system caches, virtual machine hosting, software development, video editing and batch multimedia processing.

OS Version

Windows 10 is the most recent version of Windows, and the best to date in our opinion.

System

Micro-Star MS-7C75

Motherboard

MSI MPG Z490 GAMING PLUS (all builds)

Memory

26.5 GB free of 32 GB @ 3.2 GHz

Display

3840 x 1080 - 32 Bit Farben,

OS

Windows 10

BIOS Date

20211022

Uptime

0 Days

Run Date

Mar 25 '22 at 20:21

Run Duration

231 Seconds

Run User

DEU-User

Background CPU

1%

Run History

15 mins ago, 0 secs ago.

Watch Gameplay: 2080 + 9600K

How to compare your gameplay

PC Performing as expected (55th percentile) ?

Actual performance vs. expectations. The graphs show user score (x) vs user score frequency (y).

Processor	Bench ?	Normal ?	Heavy ?	Server ?
<div>10700K</div> <div>CORE i7</div> <div>Intel Core i7-10700K-€341</div> <div>181,528 User benchmarks, average bench 97%</div> <div>U3E1, 1 CPU, 8 cores, 16 threads</div> <div>Base clock 3.8 GHz, turbo 4.7 GHz (avg)</div> <div>✓ Performing above expectations (84th percentile) ?</div>	101% Outstanding	Memory 93.2 1-Core 147 2-Core 291 100% 177 Pts	4-Core 578 8-Core 1,033 101% 806 Pts	64-Core 1,573 106% 1,573 Pts
Poor: 87% ↑ Great: 104% This bench: 101%				
Graphics Card	Bench ?	3D DX9 ?	3D DX10 ?	3D DX11 ?

Nvidia RTX 2080-Super

302,429 User benchmarks, average bench 129%

Gigabyte(1458 37A7)

CLim: 2175 MHz, MLim: 3500 MHz, Ram: 8GB, Driver: 512.15

⚠ Performing below potential (54th percentile) - GPU OC Guide

130%
Outstanding

Lighting 168
Reflection 167
Parallax 184
136% 173 fps

MRender 182
Gravity 147
Splatting 124
123% 151 fps



Drives	Bench ?	Sequential ?	Random 4k ?	Deep queue 4k ?
<div>Samsung 970 Evo Plus NVMe PCIe M.2</div> <div>500GB-€63</div> <div>390,736 User benchmarks, average bench 290%</div> <div>252GB free (System drive)</div> <div>Firmware: 2B2QEXM7 Max speed: PCIe 5,000 MB/s</div> <div>SusWrite @10s intervals: 965 822 823 834 820 819 MB/s</div> <div>⚠ Performing way below expectations (15th percentile)</div>	248% Outstanding	Read 2,501 Write 2,282 Mixed 1,775 SusWrite 847 414% 1,851 MB/s	4K Read 57.6 4K Write 106 4K Mixed 72.2 236% 78.7 MB/s	DQ Read 620 DQ Write 409 DQ Mixed 526 389% 518 MB/s
<div>Poor: 208% ↑ Great: 342% This bench: 248%</div>				
<div>CT1000BX500SSD1 1TB</div> <div>29,618 User benchmarks, average bench 75%</div> <div>99GB free</div> <div>Firmware: M6CR030</div> <div>SusWrite @10s intervals: 456 445 447 144 51 141 MB/s</div> <div>⚠ Performing way below expectations (20th percentile)</div>	57% Above average	Read 506 Write 452 Mixed 55.5 SusWrite 281 72% 324 MB/s	4K Read 25 4K Write 35.4 4K Mixed 0.9 58% 20.4 MB/s	DQ Read 138 DQ Write 51.1 DQ Mixed 0.9 25% 63.3 MB/s
<div>Poor: 42% ↑ Great: 100% This bench: 57%</div>				
<div>OOS10000G 10TB</div> <div>2 User benchmarks, average bench 95%</div> <div>4TB free</div> <div>Firmware: OOS1</div> <div>SusWrite @10s intervals: 187 204 209 210 211 211 MB/s</div> <div>⚠ Relative performance n/a - insufficient samples</div>				
<div>Poor: 94% ↑ Great: 97% This bench: 95%</div>				
<div>WD Blue 1TB (2012)-€36</div> <div>3,055,949 User benchmarks, average bench 85%</div> <div>738GB free</div> <div>Firmware: 01.01A01</div> <div>SusWrite @10s intervals: 126 126 132 134 145 148 MB/s</div> <div>✔ Performing above expectations (60th percentile)</div>	89.9% Excellent	Read 178 Write 116 Mixed 110 SusWrite 135 99% 135 MB/s	4K Read 1.4 4K Write 2.4 4K Mixed 1.1 225% 1.63 MB/s	
<div>Poor: 53% ↑ Great: 109% This bench: 89.9%</div>				

Memory Kit	Bench ?	Multi core ?	Single core ?	Latency ?
------------	---------	--------------	---------------	-----------

Kingston 9903702-120-A000 4x8GB

62 User benchmarks, average bench 80%

4 of 4 slots used

32GB DIMM DDR4 clocked @ 3200 MHz

✔ Performing way above expectations (98th percentile) ?

96.2%

Outstanding

MC Read 35.7

MC Write 38.6

MC Mixed 27.4

97% 33.9 GB/s

SC Read 19.4

SC Write 44.2

SC Mixed 30.2

89% 31.3 GB/s

Latency 61.6

65% 61.6 ns

Poor: 69%

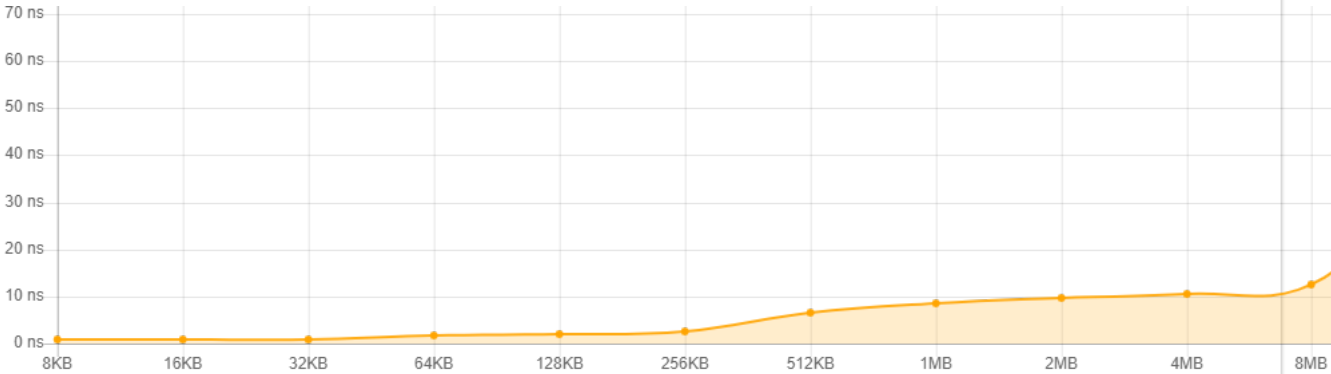
↑ Great: 90%

This bench: 96.2%

Take a copy of your results

🕒 System Memory Latency Ladder ?

L1/L2/L3 CPU cache and main memory (DIMM) access latencies in nano seconds.



🎯 SkillBench Score 0: 0R 0G 0B (High Scores)

Measures user input accuracy relative to the given hardware.

Score	Hit Rate	Shots	EFps	0.1% Low	Refresh Rate	Screen	Resolution	Monitor
0%	0%	0	12	10	144	48.9"	1280 720	SAM0E5E C49HG9x

🎮 PC Games

Compare your in-game performance to other users with your hardware: RTX 2080, Display(C49HG9x), 3840 x 1080, 144 Hz.

1. Pick a game that you play on this PC.

Grand Theft Auto V

Valorant

Call of Duty: Warzone

Counter-Strike: Glob...

Fortnite

Minecraft

2. What settings do you play on?

Settings

Low

Med

High

Max

3. How many (uncapped) fps do you get?

Avg. fps

League of Legends

Apex Legends

Cyberpunk 2077

Tom Clancy's Rainbo...

DOTA 2

World of Warcraft

PlayerUnknown's Ba...

Forza Horizon 4

Assassin's Creed Ody...

Rocket League

Battlefield 5

The Witcher 3: Wild ...

SUBMIT YOUR FPS

MORE GAMES

Custom PC Builder (Explore upgrades for this PC)


Build your perfect PC: compare component prices, popularity, speed and value for money.


CHOOSE AN UPGRADE:


CPU	GPU	SSD	HDD	RAM	MBD
-----	-----	-----	-----	-----	-----

Typical MPG Z490 GAMING PLUS (MS-7C75) Builds (Compare 18,289 builds)

See popular component choices, score breakdowns and rankings.

 **Gaming 149%**
UFO ?

 **Desktop 101%**
UFO ?

 **Workstation 149%**
UFO ?

Motherboard: MSI MPG Z490 GAMING PLUS - €126

CPU		GPU		SSD		RAM	
Core i7-10700K Intel €341 Bench 97%, 181,528 samples	5,862x	RTX 3070 Nvidia €430 Bench 154%, 349,947 samples	2,168x	970 Evo Plus NVMe PCIe M.2 500GB Samsung €63 Bench 290%, 390,736 samples	973x	Vengeance RGB PRO DDR4 3200 C16 2x8GB Corsair €84 Bench 85%, 295,574 samples	970x
Core i5-10600K Intel €240 Bench 93%, 60,280 samples	3,136x	RTX 2070S (Super) Nvidia €529 Bench 118%, 539,153 samples	1,233x	970 Evo Plus NVMe PCIe M.2 1TB Samsung €120 Bench 329%, 345,778 samples	905x	Vengeance LPX DDR4 3200 C16 2x8GB Corsair €70 Bench 86%, 553,420 samples	964x
Core i9-10850K Intel €442 Bench 99%, 60,614 samples	1,608x	RTX 3080 Nvidia €602 Bench 206%, 290,393 samples	1,174x	970 Evo NVMe PCIe M.2 1TB Samsung €170 Bench 301%, 337,267 samples	782x	HyperX DDR4 3200 C16 2x8GB Kingston Bench 87%, 209,299 samples	599x

EDIT WITH CUSTOM PC BUILDER

Value: 79% - Very good ?

Total price: €1,044



The Best.

CPU

Intel Core i5-12600K **€289**
Intel Core i5-12400F **€181**
Intel Core i7-12700K **€390**

GPU

Nvidia RTX 3060-Ti **€344**
Nvidia RTX 3070 **€430**
Nvidia RTX 3050 **€215**

SSD

Crucial MX500 250GB **€47**
Samsung 850 Evo 120GB **€34**
Samsung 860 Evo 250GB **€65**

HDD

Seagate Barracuda 1TB (2016) **€40**
WD Blue 1TB (2012) **€36**
Seagate Barracuda 2TB (2016) **€57**

RAM

Corsair Vengeance LPX DDR4 3200 C16 2x8GB **€70**
Corsair Vengeance LPX DDR4 3000 C15 2x8GB **€76**
G.SKILL Trident Z DDR4 3200 C14 4x16GB **€845**

USB

SanDisk Extreme 64GB **€62**
SanDisk Extreme 32GB **€44**
SanDisk Ultra Fit 32GB **€17**



Today's hottest

Amazon ☒

Ebay ☐

deals

CPU

GPU

SSD

HDD

USB

RAM

MBD



Build

Test

EFps

Can You Run It?



YouTube
NEW