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CPU GPU SSD HDD USB RAM MBD




 Gigabyte GA-B660 GAMING X DDR4

Performance Results

 ADD TO PC BUILD

 TEST YOUR PC

 Gaming 179%
UFO ?

 Desktop 110%
UFO ?

 Workstation 170%
UFO ?

Save results

Copy results

User guide

</>

f

PC Status

Overall this PC is performing above expectations (85th percentile). This means that out of 100 PCs with exactly the same components, 15 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 typical workstation, and even moderate server workloads. Finally, with a gaming score of 103%, this CPU's suitability for 3D gaming is outstanding.

Graphics

175% is a record breaking 3D score, it's almost off the scale. This GPU can handle all 3D **games** at very high resolutions and ultra detail levels.

Boot Drive

243% 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 11 is the most recent version of Windows, and the best to date in our opinion.

Motherboard

Gigabyte GA-B660 GAMING X DDR4 (all builds)

Memory

28.1 GB free of 32 GB @ 3.2 GHz

Display

1920 x 1080 - 32 Bit colori,

OS

Windows 11

BIOS Date

20211217

Uptime

0 Days

Run Date

Sep 01 '22 at 13:06

Run Duration

177 Seconds

Run User


DEU-User

Background CPU

2%

✓ PC Performing above expectations (85th percentile) ?

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

Processor	Bench ?	Normal ?	Heavy ?	Server ?
<div> Intel Core i5-12500-€241 1,668 User benchmarks, average bench 98% U3E1, 1 CPU, 6 cores, 12 threads Base clock 3 GHz, turbo 4.2 GHz (avg) ✓ Performing above expectations (76th percentile) ?</div>	103% Outstanding	Memory 91.6 1-Core 187 2-Core 365 117% 215 Pts	4-Core 612 8-Core 1,028 104% 820 Pts	64-Core 1,296 87% 1,296 Pts
Poor: 83% ↑ Great: 109% This bench: 103%				

Graphics Card	Bench ?	3D DX9 ?	3D DX10 ?	3D DX11 ?
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Please enter the exact model for your Nvidia RTX 3070-Ti.
e.g. GV-N1060G1GAMING-6GD, Gigabyte G1 Gaming

Type here ...

Submit



Nvidia RTX 3070 Ti €679
121,474 User benchmarks, average bench 167%
Nvidia(10DE 14B2) ≥ 4GB
CLim: 2100 MHz, MLim: 4750 MHz, Ram: 8GB,
Driver: 516.94
✓ Performing way above expectations (87th percentile) ?

175%
Outstanding

Lighting 250
Reflection 224
Parallax 240
202% 238 fps

MRender 264
Gravity 165
Splattng 135
145% 188 fps

Poor: 145% ↑ Great: 179%
This bench: 175%

Drives

Bench Sequential Random 4k Deep queue 4k



Kioxia-exceria G2 SSD 1TB
773 User benchmarks, average bench 217%
811GB free (System drive)
Firmware: ECFA17.0
SusWrite @10s intervals: 1170 744 732 749 718
707 MB/s
✓ Performing above expectations (79th percentile) ?

243%
Outstanding

Read 1,185
Write 1,728
Mixed 1,366
SusWrite 804
287% 1,270 MB/s

4K Read 44.2
4K Write 214
4K Mixed 71.6
272% 110 MB/s

DQ Read 1,619
DQ Write 1,239
DQ Mixed 1,462
1,085% 1,440 MB/s

Poor: 154% ↑ Great: 259%
This bench: 243%



Samsung 840 Pro 256GB-€166
77,076 User benchmarks, average bench 94%
238GB free
Firmware: DXM05B0Q
SusWrite @10s intervals: 399 458 470 464 432
415 MB/s
✓ Performing above expectations (81st percentile) ?

107%
Outstanding

Read 445
Write 428
Mixed 314
SusWrite 440
92% 407 MB/s

4K Read 29.7
4K Write 113
4K Mixed 39.5
155% 60.6 MB/s

DQ Read 372
DQ Write 319
DQ Mixed 152
167% 281 MB/s

Poor: 65% ↑ Great: 114%
This bench: 107%



WD Blue 1TB (2012)-€39
3,105,054 User benchmarks, average bench 83%
931GB free
Firmware: 80.00A80
SusWrite @10s intervals: 175 179 179 179 176
173 MB/s
✓ Performing way above expectations (92nd percentile) ?

105%
Outstanding

Read 190
Write 162
Mixed 101
SusWrite 177
116% 157 MB/s

4K Read 1.1
4K Write 2.7
4K Mixed 0.9
196% 1.57 MB/s

Poor: 52% ↑ Great: 109%
This bench: 105%

Memory Kit

Bench Multi core Single core Latency



Corsair Vengeance LPX DDR4 3200 C16
2x16GB-€103
34,541 User benchmarks, average bench 87%
2 of 4 slots used
32GB DIMM DDR4 clocked @ 3200 MHz
✓ Performing way above expectations (95th percentile) ?

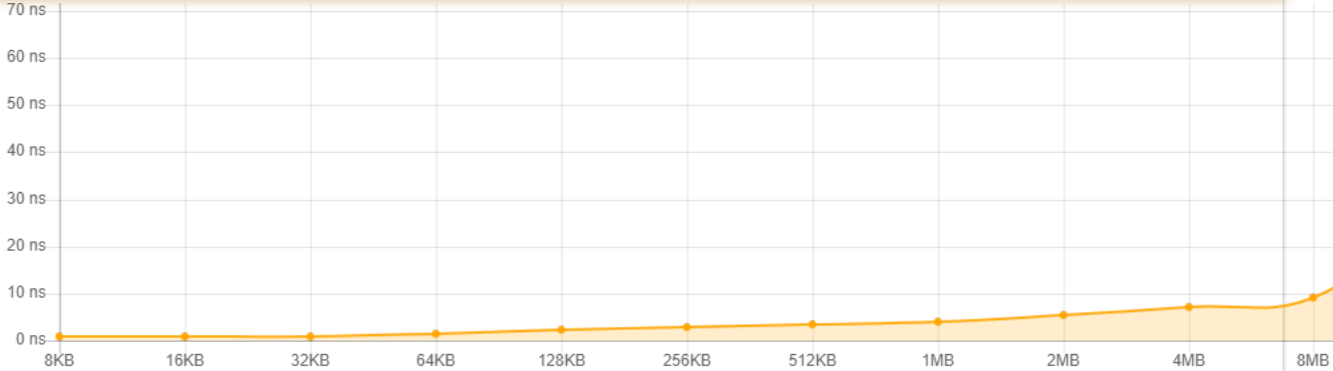
112%
Outstanding

MC Read 43.1
MC Write 41
MC Mixed 38.2
116% 40.8 GB/s

SC Read 25.9
SC Write 43
SC Mixed 30.9
95% 33.3 GB/s

Latency 64.7
62% 64.7 ns

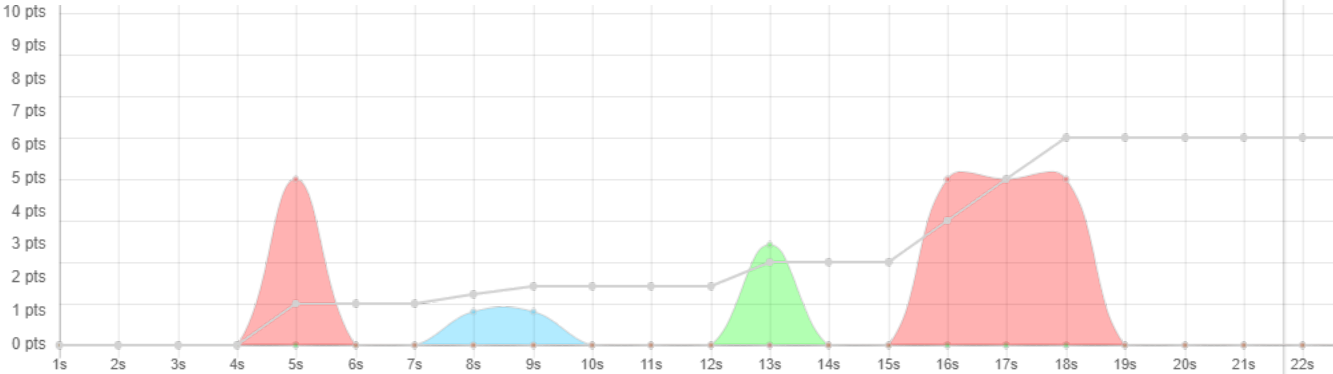
Poor: 64% ↑ Great: 112%
This bench: 112%



SkillBench Score 38: 6R 2G 2B (High Scores)

Measures user input accuracy relative to the given hardware.

Score	Hit Rate	Shots	EFps	0.1% Low	Refresh Rate	Screen	Resolution	Monitor
38%	8%	132	344	281	60	27"	1920 1080	BNQ7F2B BenQ XL2720Z



PC Games

Compare your in-game performance to other users with your hardware: RTX 3070-Ti, Display(BenQ XL2720Z), 1920 x 1080, 60 Hz.

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

Valorant

Grand Theft Auto V

Call of Duty: Warzone

Counter-Strike: Glob...

Fortnite

Minecraft

League of Legends

Cyberpunk 2077

Apex Legends

Tom Clancy's Rainho

Player Unknown's Ba

Forza Horizon 4

2. What settings do you play on?

Settings

Low

Med

High

Max

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

Avg. fps

UserBenchmark

DEU-User

DE

CPU

GPU

SSD

HDD

RAM

USB

EFPS

FPS

SkillBench

YouTube

COMPARE

BUILD

TEST

ABOUT

Rocket League

DOTA 2

Overwatch

Star Citizen

War Thunder

ARK: Survival Evolved

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
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Typical GA-B660 GAMING X DDR4 Builds (Compare 1,116 builds)

See popular component choices, score breakdowns and rankings.

 **Gaming 130%**
UFO

 **Desktop 103%**
UFO

 **Workstation 124%**
UFO

Motherboard: Gigabyte GA-B660 GAMING X DDR4

CPU		GPU		SSD		RAM	
Core i5-12400F Intel €196 Bench 97%, 11,321 samples	376x	RTX 3060-Ti Nvidia €527 Bench 132%, 237,222 samples	133x	980 NVMe PCIe M.2 1TB Samsung €88 Bench 276%, 93,425 samples	120x	Vengeance LPX DDR4 3200 C16 2x8GB Corsair €59 Bench 85%, 653,654 samples	51x
Core i5-12600K Intel €306 Bench 108%, 35,240 samples	141x	RTX 3060 Nvidia €441 Bench 99%, 202,678 samples	131x	980 Pro NVMe PCIe M.2 1TB Samsung €112 Bench 405%, 135,108 samples	59x	Skill Intl F4-3600C18-16GVK 2x16GB G Bench 108%, 1,539 samples	45x
Core i5-12600KF Intel €300 Bench 109%, 9,636 samples	125x	RTX 3070-Ti Nvidia €679 Bench 167%, 121,474 samples	118x	SNVS1000G 1TB Kingston Bench 205%, 11,706 samples	49x	Vengeance LPX DDR4 3200 C16 2x16GB Corsair €103 Bench 87%, 34,541 samples	44x

EDIT WITH CUSTOM PC BUILDER

Value: 71% - Very good

Total price: €869



UserBenchmark

DEU-User

DE ▾

CPUGPUSSDHDDRAMUSB EFPSFPS SkillBench YouTube

COMPAREBUILDTESTABOUT

- Intel Core i5-12600K €306

Intel Core i5-12400F €196

Intel Core i7-12700K €480
- Nvidia RTX 3060-Ti €527

Nvidia RTX 3070 €579

Nvidia RTX 3050 €362
- Crucial MX500 250GB €34 🔥

Samsung 850 Evo 120GB €34

Samsung 860 Evo 250GB €71

HDD

RAM

USB

- Seagate Barracuda 1TB (2016) €41

WD Blue 1TB (2012) €39

Seagate Barracuda 2TB (2016) €60
- Corsair Vengeance LPX DDR4 3200 C16 2x8GB €59 🔥

Corsair Vengeance LPX DDR4 3000 C15 2x8GB €65 🔥

G.SKILL Trident Z DDR4 3200 C14 4x16GB €390
- SanDisk Extreme 64GB €62

SanDisk Extreme 32GB €44

SanDisk Extreme 16GB €24

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Can You Run It?

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