

UserBenchmark

ESP-User

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CPU GPU SSD HDD RAM USB FPS

COMPARE BUILD TEST ABOUT



Asus P8H61-M LX

Performance Results

ADD TO PC
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Benchmarks - excluding SSD



Gaming 12%

Tree trunk



Desktop 31%

Sail boat



Workstation 15%

Tree trunk

Save results

Copy results

User guide

PC Status

Overall this PC is performing as expected (43rd percentile). This means that out of 100 PCs with exactly the same components, 57 performed better. The overall PC percentile is the average of each of its individual components.

Processor

With an average **single core** score, this CPU can handle browsing the web, email, video playback and the majority of general computing tasks including moderate gaming when coupled with an appropriate GPU. Finally, with a gaming score of 26.9%, this CPU's suitability for 3D gaming is poor.

Graphics

3.96% is too low to play 3D **games** or use CAD packages. (Note: general computing tasks don't require 3D graphics)

Boot Drive

The boot partition is located on a mechanical or hybrid drive. Moving the system to an SSD will yield far faster boot times, better system responsiveness and faster application load times.

Memory

4GB is enough RAM to run any version of Windows and although it's sufficient for most games, some will benefit from up to 8GB of RAM. 4GB is also enough for modest file and system caches which allow for a responsive system.

OS Version

Although Windows 7 is still a viable option, it's now 10 years and 1 month old. This system should be upgraded to Windows 10 which is generally faster and has an improved set of core utilities including better versions of explorer and task manager.

Motherboard	Asus P8H61-M LX (all builds)
Memory	1.5 GB free of 4 GB @ 1.3 GHz
Display	1920 x 1080 - 32 Bit colores
OS	Windows 7
BIOS Date	20110526
Uptime	0 Days
Run Date	Sep 12 '19 at 10:35
Run Duration	129 Seconds
Run User	ESP-User
Background CPU	74%

Very high background CPU (74%). High background CPU reduces benchmark accuracy. Find active processes with Windows task manager (CTRL+SHIFT+ESC).

✓ PC Performing as expected (43rd percentile)

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

Processor	Bench	Normal	Heavy	Extreme
 Intel Core i3-2120-303 37,130 User benchmarks, average bench 33% LGA1155, 1 CPU, 2 cores, 4 threads Base clock 3.3 GHz Performing way below expectations (12 th percentile)	26.9% Poor	1-Core 68 2-Core 116 44% 91.9 Pts	4-Core 151 8-Core 180 22% 165 Pts	64-Core 208 14% 208 Pts

Poor: 22% ↑ Great: 37%
 This bench: 26.9%

Graphics Card	Bench	3D DX9	3D DX10	3D DX11
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7,774 User benchmarks, average bench 4%
 Gigabyte(1458 3518) 1GB
 Ram: 1GB, Driver: 266.33
 ✓ Performing as expected (56th percentile) ?

3.96%
 Terrible

Lighting 16.1
 Reflection 15.7
 Parallax 13
 4% 14.9 fps
 iWirender 14.9
 Gravity 13.6
 Splatting 8.4
 4% 12.3 fps

Poor: 3% ↑ Great: 5%
 This bench: 3.96%

Drives

Bench ?

Sequential ?

Random 4k ?

Deep queue 4k ?



WD Green 2TB (2011)-€140
 100,705 User benchmarks, average bench 51%
 2TB free (System drive)
 Firmware: 51.0AB51
 SusWrite @10s intervals: 9.6 4.4 26 37 37 41 MB/s
 ▲ Performing way below expectations (3rd percentile) ?

21.8%
 Poor

Read 50.3
 Write 59
 Mixed 28
 SusWrite 25.8
 30% 40.8 MB/s
 4K Read 0
 4K Write 0.2
 4K Mixed 0.1
 15% 0.1 MB/s

Poor: 3% ↑ Great: 69%
 This bench: 21.8%



Maxtor 6L200M0 204GB-€34
 883 User benchmarks, average bench 27%
 178GB free
 Firmware: BANC1E00
 SusWrite @10s intervals: 46 46 46 46 46 46 MB/s
 ✓ Performing as expected (60th percentile) ?

27.9%
 Poor

Read 50.3
 Write 52.3
 Mixed 29.8
 SusWrite 46.1
 33% 44.6 MB/s
 4K Read 0.6
 4K Write 3.1
 4K Mixed 0.6
 149% 1.43 MB/s

Poor: 19% ↑ Great: 35%
 This bench: 27.9%

Memory Kit

Bench ?

Multi core ?

Single core ?

Latency ?



Kingston 9905403-442.A00LF 1x4GB
 200 User benchmarks, average bench 27%
 1 of 2 slots used
 4GB DIMM DDR3 1333 MHz
 ✓ Performing way above expectations (85th percentile) ?

29.7%
 Poor

MC Read 9.6
 MC Write 9.3
 MC Mixed 8.8
 26% 9.23 GB/s
 SC Read 9
 SC Write 10.1
 SC Mixed 9.6
 27% 9.57 GB/s

Latency 68.4
 58% 68.4 ns

Poor: 20% ↑ Great: 32%
 This bench: 29.7%

Take a copy of your results </>

⌚ System Memory Latency Ladder

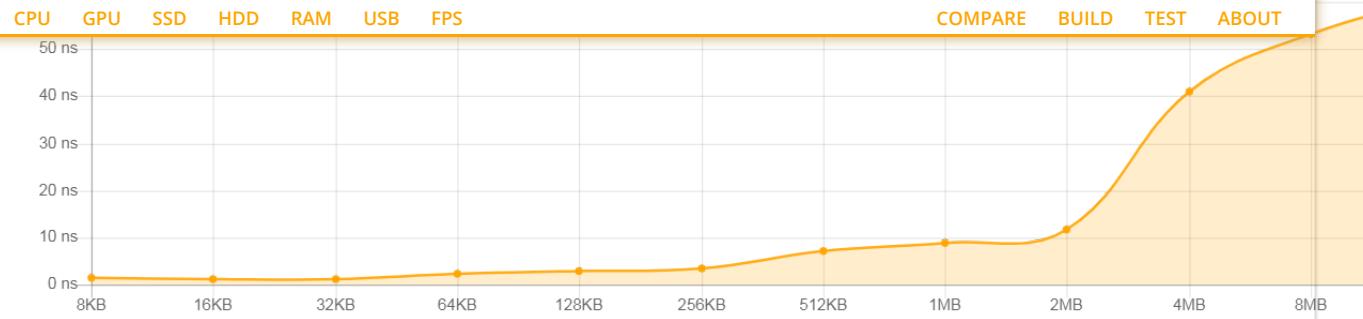
L1/L2/L3 CPU cache and main memory (DIMM) access latencies in nano seconds.

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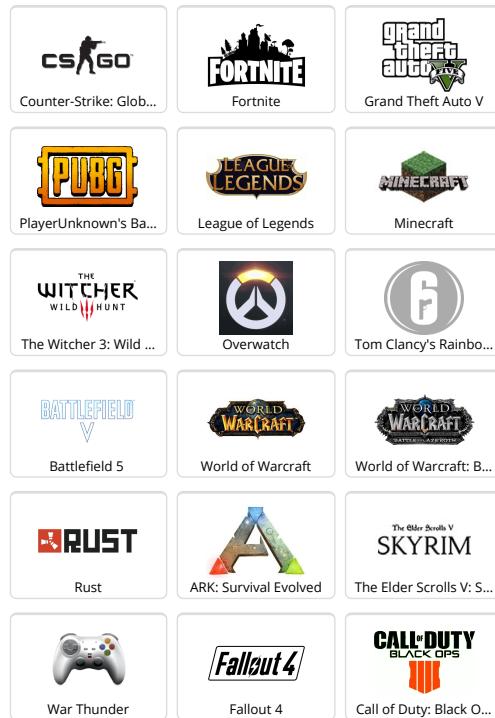
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**PC Games**

Compare your in-game performance to other users with your hardware: GeForce GT 440, Display(BenQ VW2235), 1920 x 1080, 60 Hz.

1. Pick a game that you play on this PC.**2. What settings do you play on?**

Settings

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

Avg. fps

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CHOOSE AN UPGRADE:

CPU	GPU	SSD	HDD	RAM	MBD

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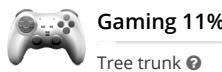
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Gaming 11%

Tree trunk



Desktop 38%

Jet ski



Workstation 15%

Surfboard

Motherboard: Asus P8H61-M LX - **€47****CPU****GPU****SSD****RAM**

Core i3-2100 Intel €112 Bench 31%, 32,285 samples	507x	HD 2000 (Desktop 1.1 GHz) Intel €74 Bench 1%, 72,668 samples	376x	SSDNow V300 120GB Kingston €74 Bench 54%, 199,320 samples	64x	1x4GB Unknown Bench 25%, 85,550 samples	131x
Core i5-2400 Intel €149 Bench 49%, 74,688 samples	274x	GTX 1050-Ti Nvidia €155 Bench 31%, 392,263 samples	165x	850 Evo 250GB Samsung €94 Bench 105%, 469,770 samples	62x	8GB Unknown Bench 36%, 65,021 samples	66x
Core i3-2120 Intel €303 Bench 33%, 37,130 samples	249x	GTX 750-Ti Nvidia €129 Bench 18%, 164,607 samples	126x	A400 120GB Kingston €22 Bench 61%, 57,113 samples	50x	99U5471-020.A00LF 8GB Kingston Bench 47%, 596 samples	46x

EDIT WITH CUSTOM PC BUILDER

Value: 25% - Poor

Total price: **€233****The Best.****CPU****GPU****SSD**Intel Core i5-9400F **€150**
Intel Core i5-9600K **€239**
AMD Ryzen 5 3600 **€228**Nvidia GTX 1660 **€235**
Nvidia GTX 1660-Ti **€310**
Nvidia RTX 2060 **€376**Samsung 850 Evo 250GB **€94**
Samsung 850 Evo 500GB **€86**
Samsung 850 Pro 256GB **€171****HDD****RAM****USB**Seagate Barracuda 1TB (2016) **€38**
WD Blue 1TB (2012) **€45**
Seagate Barracuda 3TB (2016) **€109**Corsair Vengeance LPX DDR4 3000 C15 2x8GB **€85**
G.Skill Trident Z DDR4 3200 C14 4x16GB **€814**
Corsair Vengeance LPX DDR4 3200 C16 2x8GB **€88**SanDisk Extreme 64GB **€37**
SanDisk Extreme 32GB **€90**
SanDisk Extreme 16GB **€21****Test your PC****Build a PC**

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