MULTIMEDIA SYSTEM
BITM 1113
MULTIMEDIA TECHNOLOGY

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Learning Outcome:

At the end of this lesson, student could understand the:

- ✓ the basic hardware name including input/ output devices
- ✓ Understand the storage mediums in multimedia personal computers (MPS)

Multimedia PC

The standard was set and named by the "Multimedia PC Marketing Council", which was a working group of the Software Publishers Association (SPA, now the Software and Information Industry Association).

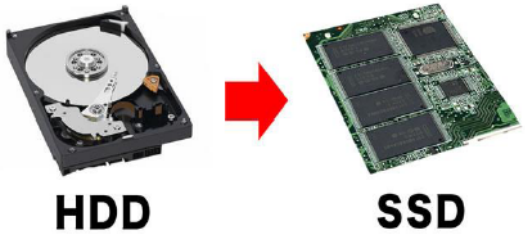
The MPMC comprised companies including Microsoft, Creative Labs, Dell, Gateway, and Fujitsu.

Any PC with the required standards could be called an "MPC" by licensing the use of the logo from the SPA.

https://en.wikipedia.org/wiki/Multimedia_PC

RAM

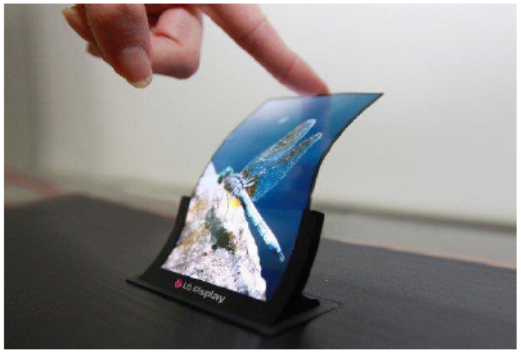
Processor



Hard Drive

Compact Disc Drive
(CD-DVD-BluRay-Etc)

Sound
(This is sound card)



Display
(This is OLED Display)

Minimum Specifications for Multimedia PC

My Computer?

Benchmarks

Desktop 73%
Battleship

Gaming 77%
Battleship

Workstation 51%
Yacht

</> Take a copy of your results | Save results to profile | User guide

Processor	77.6% is a good Desktop CPU score. This CPU can easily handle the majority of general computing tasks. Additionally this processor can handle moderate workstation, and even light server, workloads.
Graphics	85% is a very good 3D score, it's the business. This GPU can handle recent 3D games at high resolutions and ultra detail levels.
Boot Drive	The boot partition is located on an SSD. This facilitates fast boots and decent responsiveness from the system.
Memory	16GB is enough RAM to run any version of Windows and it's more than sufficient for nearly all games. 16GB also allows for very large file and system caches, software development and batch photo editing/processing.
OS Version	Windows 8.1 is almost the most recent version of windows, but it's worth considering an upgrade to Windows 10 over the next six months.

System Information

Motherboard	Asus P8Z77-V LX (824 builds)
Memory	12.6 GB free of 16 GB @ 1.3 GHz
Display	1920 x 1080 - 32 Bit colors
OS	Windows 8.1
BIOS Date	20121109
Uptime	1.7 Days
Run Date	Sep 07 '15 at 23:24
Run Duration	126 Seconds
Run User	MYS-User
Ambient CPU	9%

Run History

2 months ago, 2 months ago, 2 months ago, 1 secs ago.

My Computer?

Overall Component Status: 71% - Very good

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

Processor	Bench	Single core	Quad core	Multi core
Intel Core i7-3770-RM 1,489 LGA1155, 1 CPU, 4 cores, 8 threads. **2,923 Benchmarks - Rank 42 - Bench 80%** Base clock 3.4 GHz, turbo 3.7 GHz (avg) Component status: 24th percentile Worst: 21% Best: 94% 77.6%	Rank 53 77.6%	SC Int 94.9 SC Float 102 SC Mixed 97.6 78% 98.1 Pts	QC Int 302 QC Float 340 QC Mixed 322 73% 322 Pts	MC Int 484 MC Float 556 MC Mixed 533 78% 524 Pts

Graphics Card	Bench	3D DX9	3D DX10	3D DX11
AMD R9 290-RM 1,231 Sapphire(174B E285) **2,257 Benchmarks - Rank 13 - Bench 80%** Driver: aticfx64.dll Ver. 15.200.1046.0 Component status: 80th percentile Worst: 32% Best: 101% 85%	Rank 12 85%	Lighting 192 Reflection 150 Parallax 259 68% 200 Pts	MRender 112 Gravity 167 Splatting 172 102% 150 Pts	

Drives	Bench	Sequential	Random 4k	Deep queue 4k

My Computer?

Drives	Bench	Sequential	Random 4k	Deep queue 4k
Kingston HyperX Savage 120GB-RM 274 79GB free 36 Benchmarks - Rank 247 - Bench 70% Firmware: SAFM00.r Max speed: SATA 3.0 600 MB/s NCQ 4KALIGNED SSD TRIM S.M.A.R.T Component status: 92nd percentile Worst: 53% Best: 86% 82.4%	Rank 100 82.4%	Read 519 Write 356 Mixed 419 96% 432 MB/s	4K Read 25.3 4K Write 56.6 4K Mixed 13.3 85% 31.7 MB/s	DQ Read 347 DQ Write 341 DQ Mixed 11.9 100% 233 MB/s
Kingston HyperX Savage 120GB-RM 274 49GB free 36 Benchmarks - Rank 247 - Bench 70% Firmware: SAFM00.r Max speed: SATA 3.0 600 MB/s SYSTEM NCQ 4KALIGNED SSD TRIM S.M.A.R.T Component status: 67th percentile Worst: 53% Best: 86% 74%	Rank 200 74%	Read 516 Write 350 Mixed 411 94% 426 MB/s	4K Read 25.3 4K Write 56.8 4K Mixed 12 84% 31.4 MB/s	DQ Read 28 DQ Write 329 DQ Mixed 12 59% 123 MB/s
WD Green 2TB (2011)-RM 319 2TB free 4,676 Benchmarks - Rank 264 - Bench 50% Firmware: 51.0AB51 Max speed: SATA 2.0 300 MB/s NCQ 4KALIGNED S.M.A.R.T Component status: 91st percentile Worst: 6% Best: 76% 62.2%	Rank 123 62.2%	Read 109 Write 108 Mixed 108 82% 108 MB/s	4K Read 0.51 4K Write 1.57 4K Mixed 0.09 61% 0.73 MB/s	

Extended Version of Multimedia Hardware

Multimedia Software

References