

Configure, evaluate and select a hardware platform - Part 2

Computer Hardware lab report
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Contents

1	Introduction	3
2	Build specifications	3
2.1	Microprocessor	3
2.2	Motherboard	3
2.3	RAM memory	3
2.4	Graphics card (GPU)	3
2.5	Storage	3
2.6	Cooling	3
2.7	Power supply	3
2.8	Chasis	3
2.9	Peripherals	3
3	Conclusions	3
	References	3

1 Introduction

In this report, we are

2 Build specifications

2.1 Microprocessor

The microprocessor is a crucial component when running software such as AutoCAD and videogames.

Although the term *microprocessor* is most commonly used to refer to the CPU, it can also refer to another kind of microprocessors such as *co-processors* or *GPUs* (*Graphics Processing Units*).

2.2 Motherboard

2.3 RAM memory

2.4 Graphics card (GPU)

2.5 Storage

2.6 Cooling

2.7 Power supply

2.8 Chasis

2.9 Peripherals

3 Conclusions

Microprocessors are very complex components that, as many other components of a computer, require some knowledge and previous research in order to distinguish their different types and choose the one that is more suitable for our system, taking into account both hardware and necessities.

References

- [1] Wikipedia. *Central Processing Unit*.
en.wikipedia.org/wiki/Central_processing_unit
- [2] Wikipedia. *Processor (computing)*.
[en.wikipedia.org/wiki/Processor_\(computing\)](https://en.wikipedia.org/wiki/Processor_(computing))

- [3] How stuff works. *Microprocessor*.
computer.howstuffworks.com/microprocessor.htm
- [4] Java T Point. *Evolution of Microprocessors*.
javatpoint.com/types-of-microprocessors
- [5] Wikibooks. *Unit 1.1.2 Types of Processor*.
en.wikibooks.org/wiki/A-level_Computing/OCR/Unit_1.1.2_Types_of_Processor
- [6] PC Componentes. *Procesador CPU ¿Qué es? Características y tipos*.
pccomponentes.com/procesador-cpu-que-es-caracteristicas-tipos
- [7] Tom's Hardware. *What is a CPU socket? A basic definition*.
tomshardware.com/reviews/cpu-socket-definition,5758.html
- [8] Tech Target. *Cache memory*.
searchstorage.techtarget.com/definition/cache-memory
- [9] Technopedia. *Cache Memory*.
technopedia.com/definition/6307/cache-memory
- [10] Intel. *Processor numbers*.
intel.com/content/www/us/en/processors/processor-numbers.html
- [11] Studocu. *Práctica de laboratorio sobre procesadores y lenguaje ensamblador*.
studocu.com/ec/document/universidad-catolica-de-cuenca/arquitectura-de-hardware/informe/practica-del-laboratorio-sobre-procesadores-y-lenguaje-ensamblador/5972562/view

