

## UNIT 3.HARDWARE COMPONENTS

### Study guide

Computer Systems  
CFGS DAW

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## Nomenclatura

A lo largo de este tema se utilizarán distintos símbolos para distinguir elementos importantes dentro del contenido. Estos símbolos son:



Importante



Atención



Interesante

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## UD03. HARDWARE COMPONENTS

### 1. DATA

From 2/11/2020 to 22/11/2020. The length of the unit is 3 weeks (24 hours).

### 2. PREVIOUS KNOWLEDGE

- Unit 1. Computer functional elements
- Unit 2. Information representation

### 3. OBJECTIVES

1. To learn what is a MoBo.
2. To learn what are the MoBo's main connectors and what is its function.
3. To learn what is the chipset and where is inside the MoBo.
4. To learn what is a processor and what are its main features.
5. To learn what is a memory and what are its main features.
6. To learn what is a hard disk and what are its main features
7. To learn what is a graphic card and what are its main features.
8. To learn what is a monitor and what are its main features.

### 4. CONTENTS

1. Mother board
2. Chipset
3. Processors
4. Memory
5. Hard disk
6. Graphic cards
7. Monitor

## 5. ACTIVITIES

You have three kinds of activities.

1. Research and development activities. You have to search information (most of it not studied in the contents) and write about it.
2. Test. It's a way to check and improve your knowledge
3. An assessable activity. At the end of the unit we will publish the first assessable activity of this term. The goal of this activity is put into practice this theoretic topic. You will need time to research, compare, evaluate and make documents.

## 6. RECOMMENDATIONS

This is a long unit. The contents are divided in two parts: internal components, that is, those belonging to Von Neumann machine and external components or peripheral, those who are not fundamental part of Von Neumann machine.

It is a unit with a lot of theory. You should read the content, and create summaries and schemes about the concepts studied. It would be very interesting to get, in physical format, a motherboard and some of the components studied.

The activities help you ordering and clarifying ideas. Besides there are a test to help you checking your knowledge.

To finish, at the end of unit or beginning of the unit 4, we will publish a assessable activity related with these units. You would need time to work on it.