

Sistemas Informáticos (Computer Systems)

Unit 07. Study guide



Authors: Sergi García

Updated December 2023



UNIT 07. HARDWARE COMPONENTS

1. DATES

From 08/01/2024 to 28/01/2024. The length of the unit is 3 weeks (24 hours).

2. PREVIOUS KNOWLEDGE

Previous units, specially units 01 and 03.

3. OBJECTIVES

1. To learn what is a motherboard.
2. To learn what are the motherboard's main connectors and what is its function.
3. To learn what is the chipset and where is inside the motherboard.
4. To learn what is a processor and what are its main features.
5. To learn what is a processor 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. Motherboard
2. Chipset
3. Processors
4. Memory
5. Hard disk
6. Graphic cards
7. Monitor
8. Other kinds of hardware

5. ACTIVITIES

1. Hardware exercises.
2. Research and development activities.

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.

You should read the content, and create summaries and schemes about the concepts studied.