

Unit 3. Hardware.

Internal components.

Part 1

Desarrollo de Aplicaciones Web

1er Curso

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Recordatorio



**Esta presentación no
sustituye los apuntes
disponibles en el aula
virtual.**



**Las apuntes oficiales
son los que tenéis en
el aula virtual**

Motherboard

1. Form factor
 - ✓ Reduced formats
2. Jumpers
3. BIOS
4. UEFI
 - ✓ The boot problem
5. Connectors
 - ✓ Internal
 - ✓ External

6. Expansion slots

7. Socket

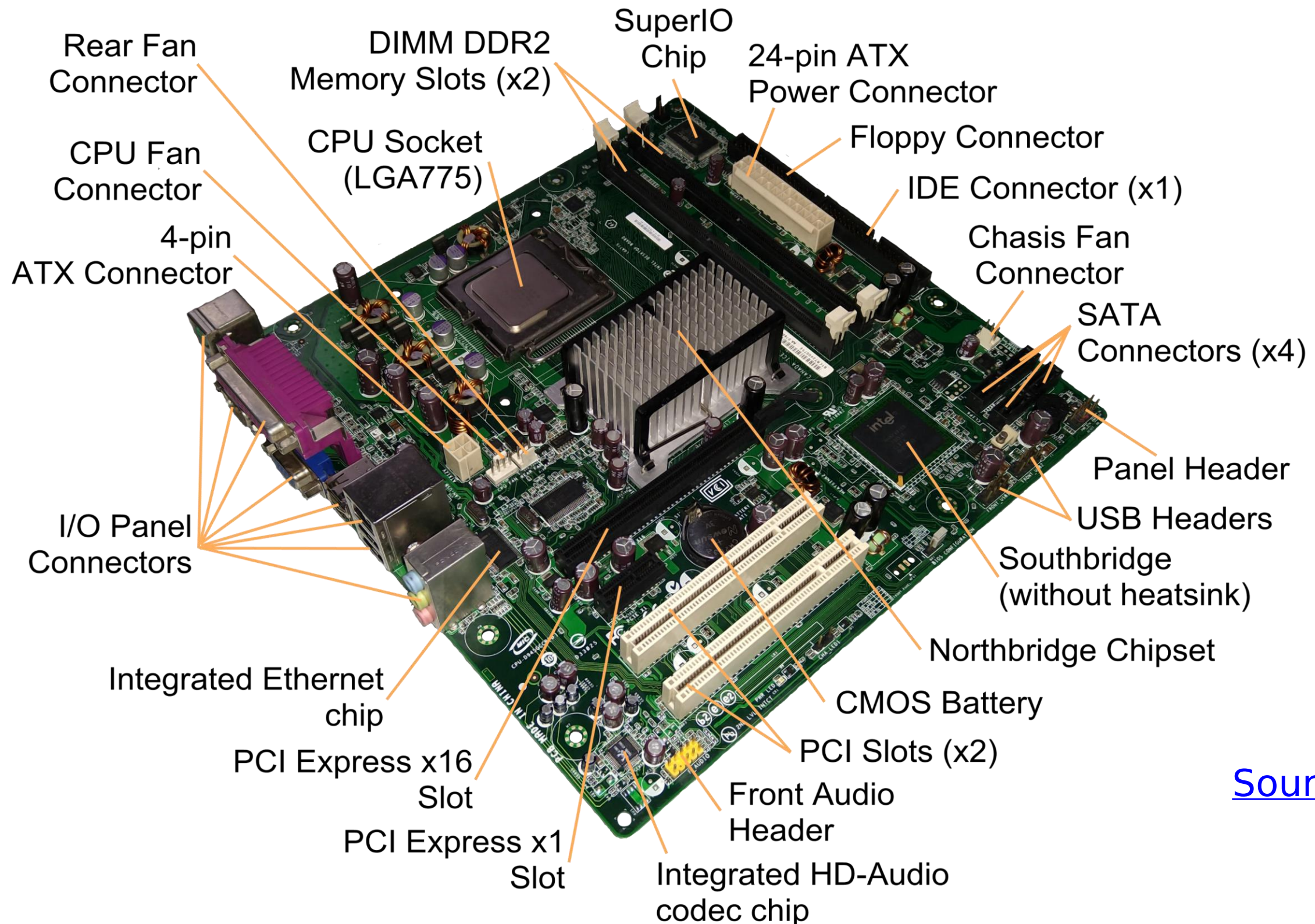
Chipset

1. NorthBridge
2. SouthBridge

1. Motherboard

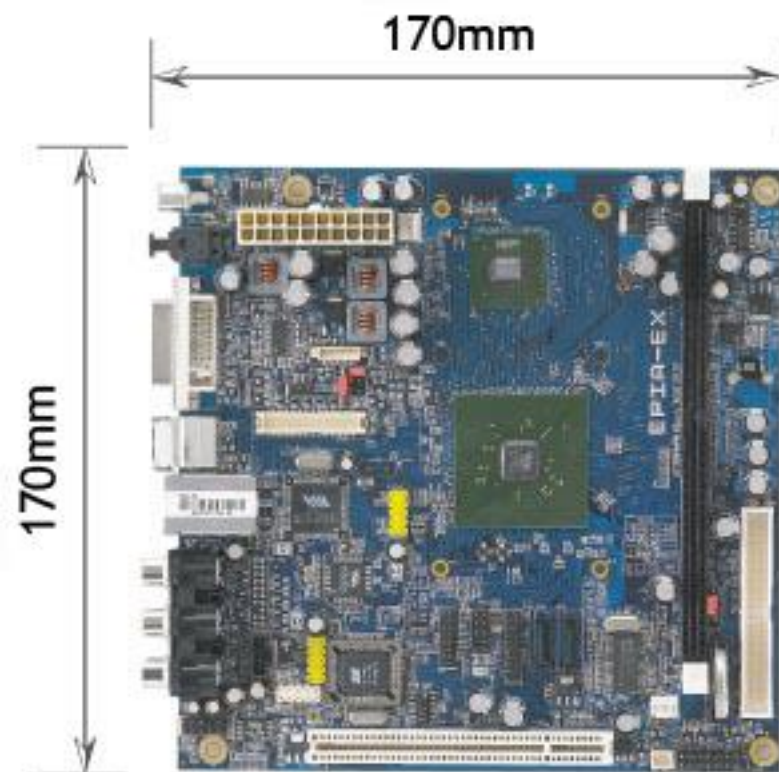
- ✓ Printed circuit.
- ✓ All components are connected to the Momo
- ✓ BIOS (*Basic Input Output System*) and UEFI (*Unified Extensible Firmware Interface*). Read this article [uefi and bios](#).

1. Motherboard. Parts

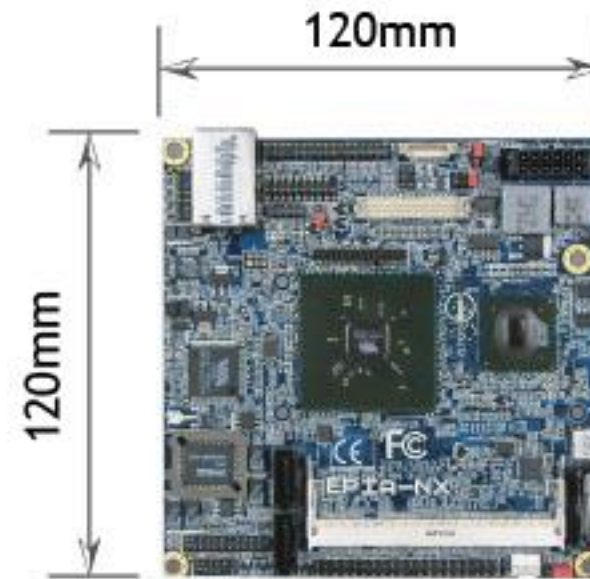


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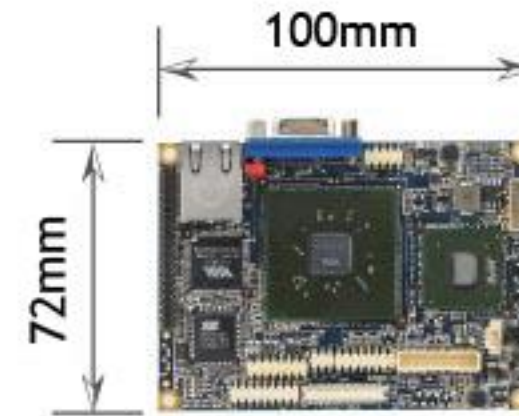
1. Motherboard. Form factor



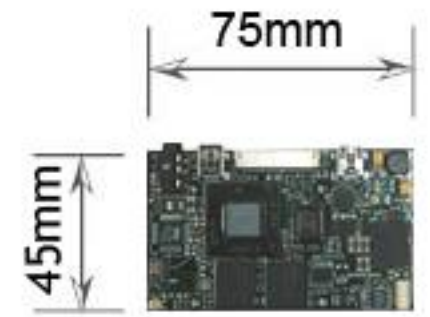
Mini-ITX



Nano-ITX



Pico-ITX



Mobile-ITX

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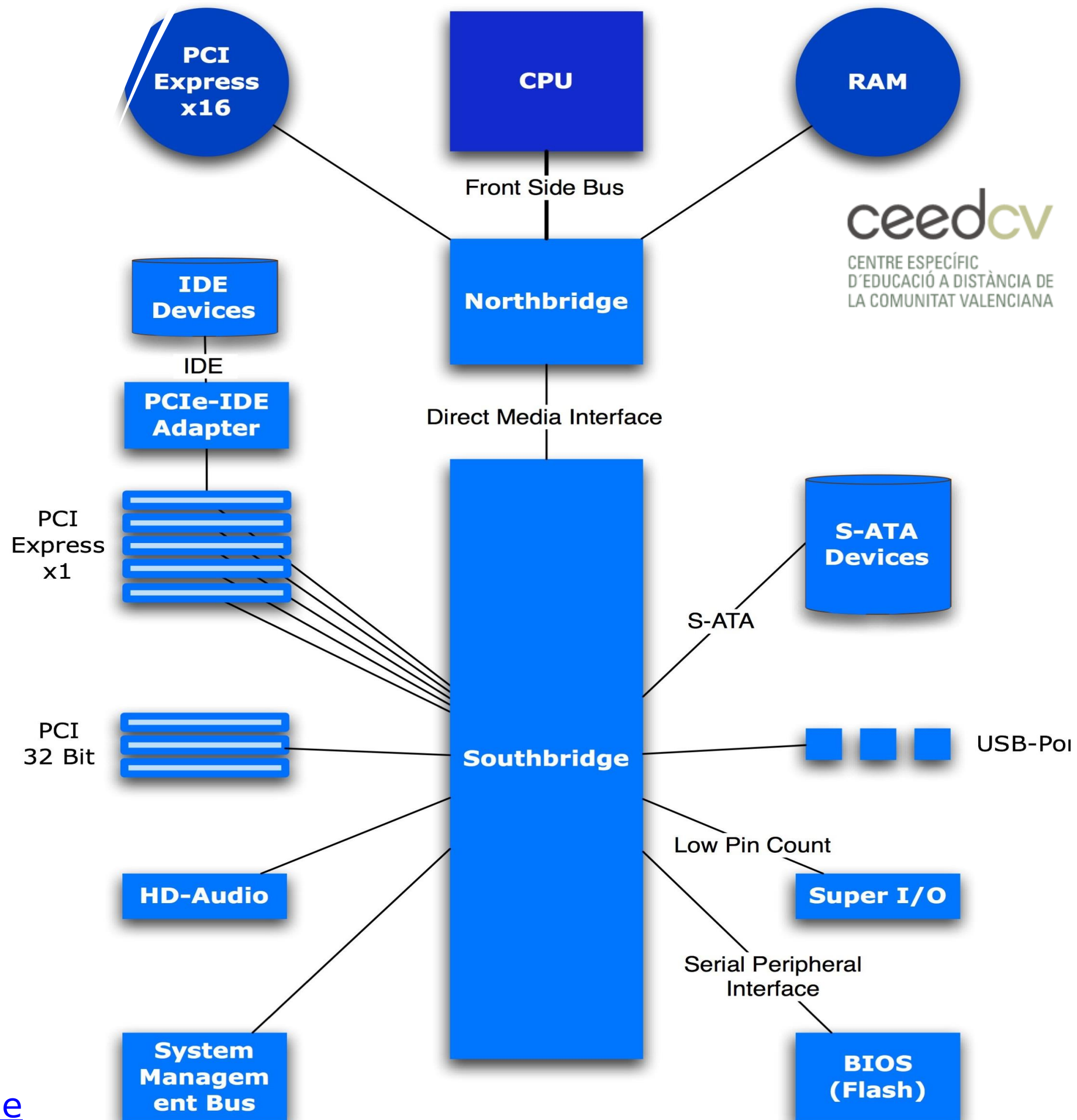
2. Chipset

- ✓ Set of chips.
- ✓ Controls certain functions of the computer.
- ✓ Evolution: more complex tasks. Chipset gains importance.
- ✓ NorthBridge vs SouthBridge

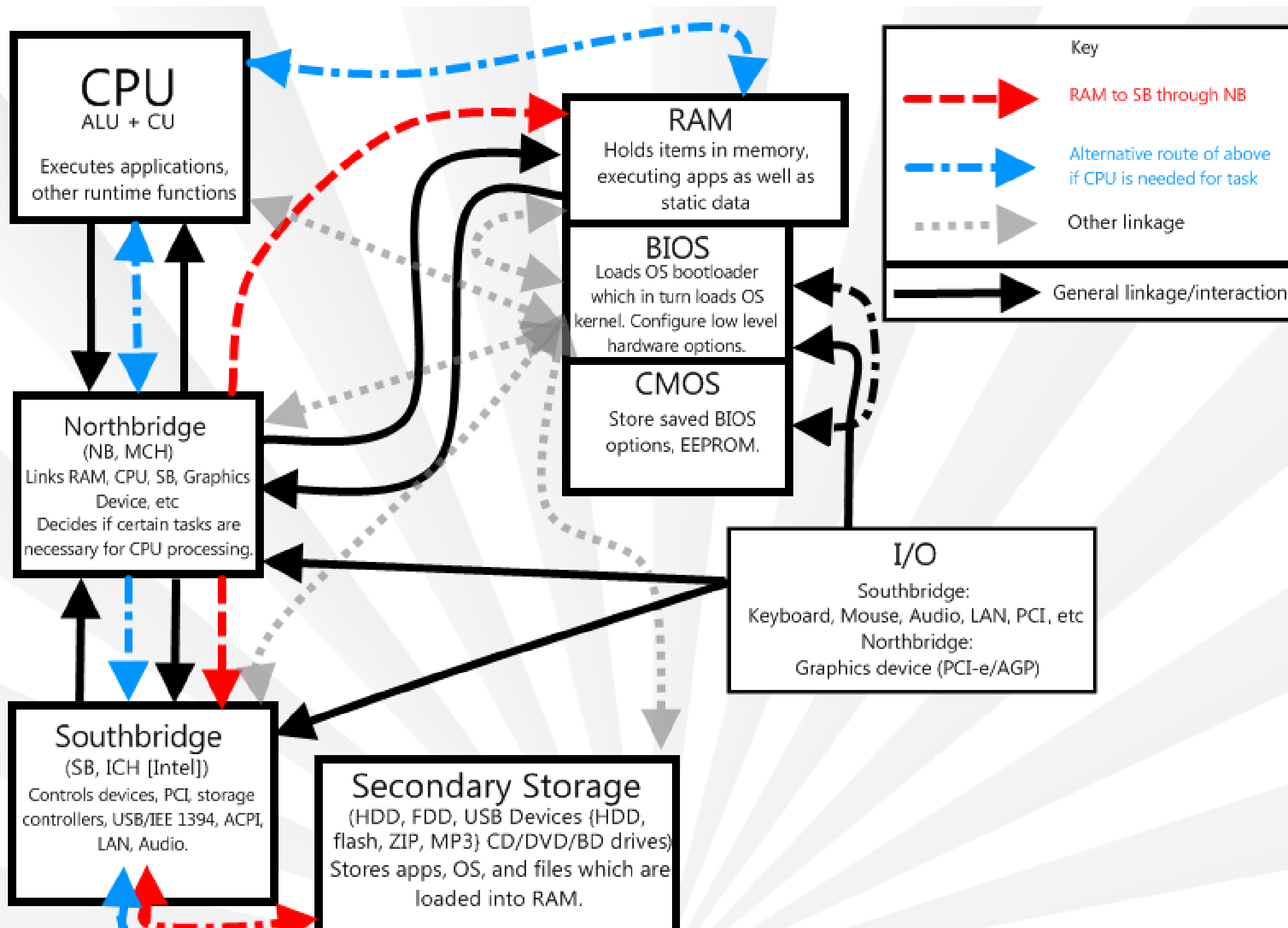
2. Chipset. *NorthBridge* **VS** *SouthBridge*

✓ Intel

[Source](#)



In a nutshell



[Source](#)

Find examples

- ✓ Take a look at the Gigabyte website,
<https://www.gigabyte.com/uk/Motherboard> and
choose two motherboards. Try to identify
components, connectors, etc. which have been
explained in Unit 3.
- ✓ Post your findings in the Unit 3 Forum.

Questions?
