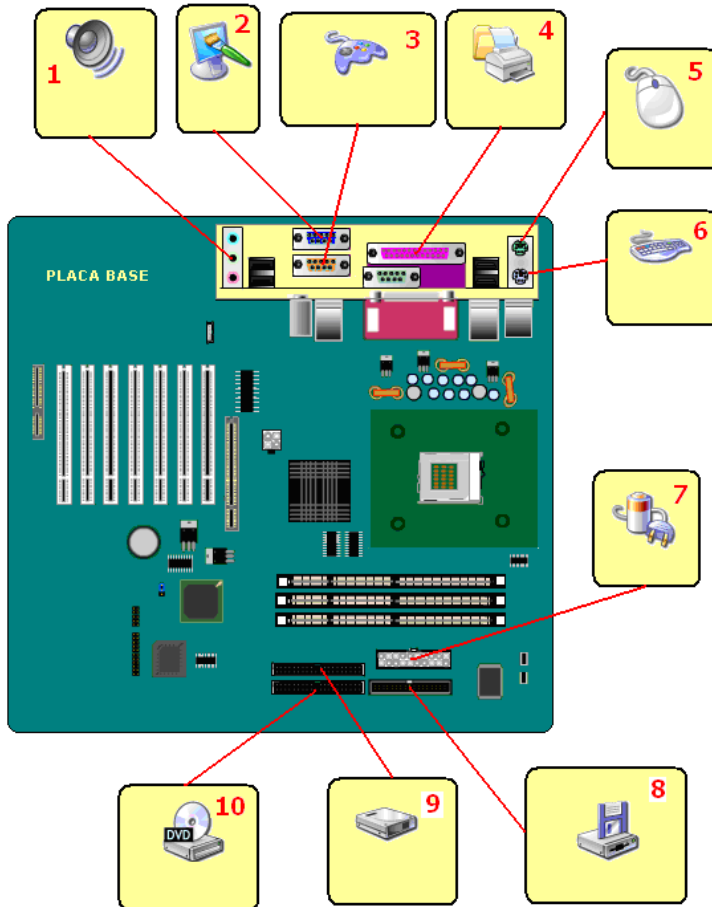


Exercise 1

Name the following devices and say if they are internal, external connected



1. Jack - external
2. Monitor - external
3. Joystick - external
4. Printer - external
5. Mouse - external
6. Keyboard - external
7. Battery - internal
8. Floppy Disk or Diskette - internal

9. CD-rom - internal

10. DVD - internal

Exercise 2

Complete the following table It is given the resolution and the colors that can be represented, with the video memory needed.

	COLO RS	16	256	High Density (16 bit)	True Color (24-bit)
RESOLUTI ON					
320 x 300		384000	768000	6144000	18432000
640 x 800		2048000	4096000	8192000	12288000
800 x 600		1920000	3840000	7680000	11520000
1024 x 768		3145728	6291456	12582912	18874368
					(todo en número de bits)

Exercise 3

A hard drive has 528 cylinders , 64 heads y 63 sectors. If every sector stores 512 bytes. Which would be the capacity of the hard drive?

$528 \text{ cylinders} * 64 \text{ heads} * 63 \text{ sectors} * 512 \text{ bytes} = 1089994752 \text{ bytes} \sim 1.09 \text{ Gbytes}$

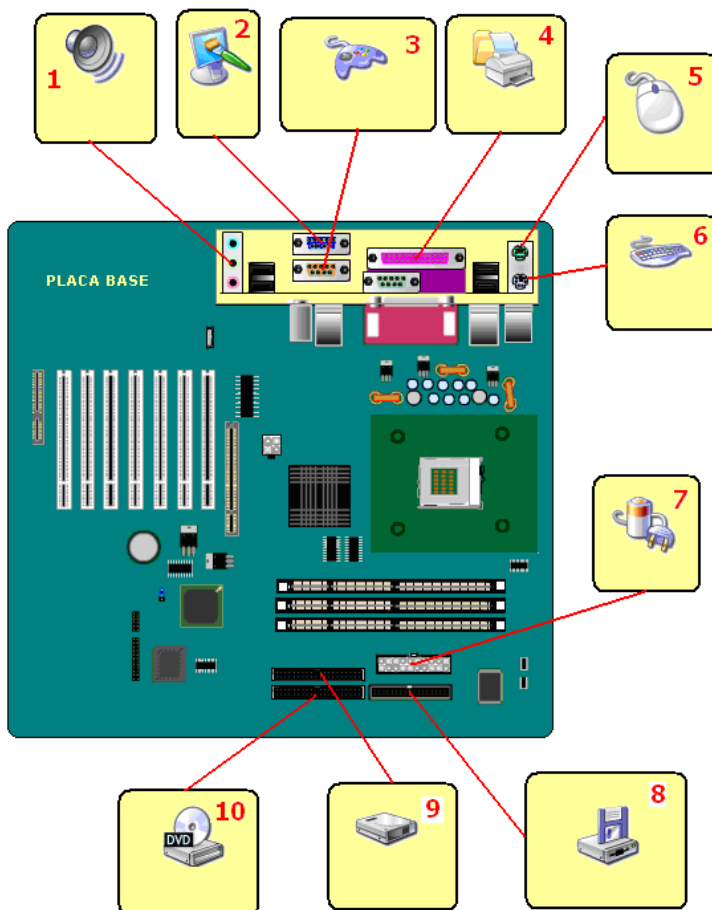
Exercise 4

1. Complete the table with the equivalences of the data transfer speed.

32 Kbps			
400 Kbps			
8 Mb/seg			

Exercise 5

Name the peripherals and say if they are input, output input/output devices, and their function

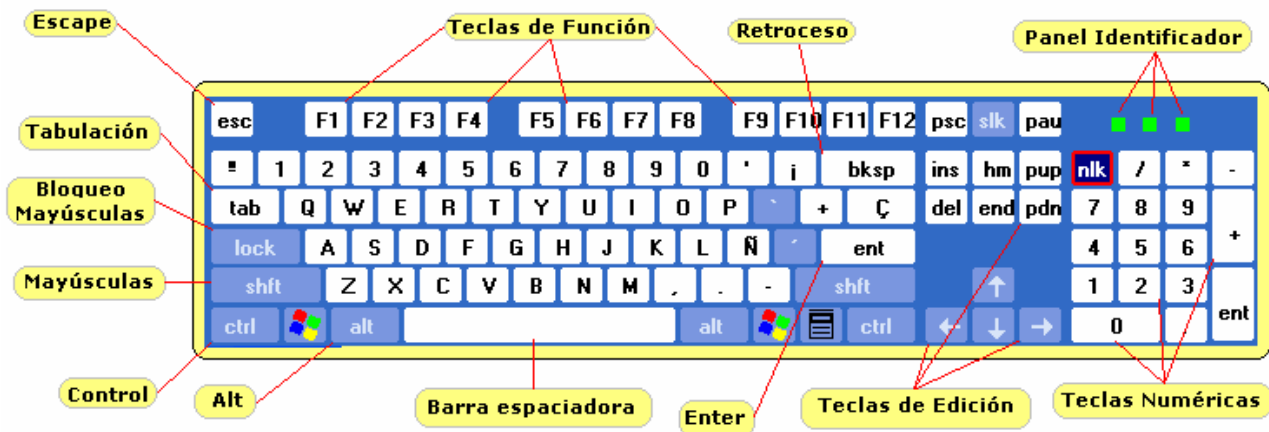


1. Audio port- output
2. Monitor port - output
3. Joystick port - input
4. Printer port - output
5. PS/2 port - input
6. PS/2 port - input
7. CMOS battery - input

8. Floppy Disk drive - input and output
9. CD-ROM drive - input and output
10. DVD drive - input and output

Exercise 6

Explain the function of the following keys in the image.



Escape- interrupt or cancel the current process

Function keys:

F1: Display help screen

F4: (Alt-f4) close the current window

F5: Refresh the contents of a window or webpage

F9: displays a thumbnail for each window in a single workspace
 bksp: moves the display cursor one position backwards, deletes the character at that position, and shifts back the text after that position by one position.

Numlock: on/off the keypad

Capslock: on/off capital letters.

tab: Advance the cursor to the next tab stop

Mayus: capital letters and "superior" characters

ctrl, alt: modifier key (pressed in conjunction with another key, performs a certain action)

space bar: Enter a space

enter: causes a command line, window form, or dialog box to operate its default function

Edit or navigation keys: The navigation keys allow you to move the cursor, move around in documents and webpages, and edit text.

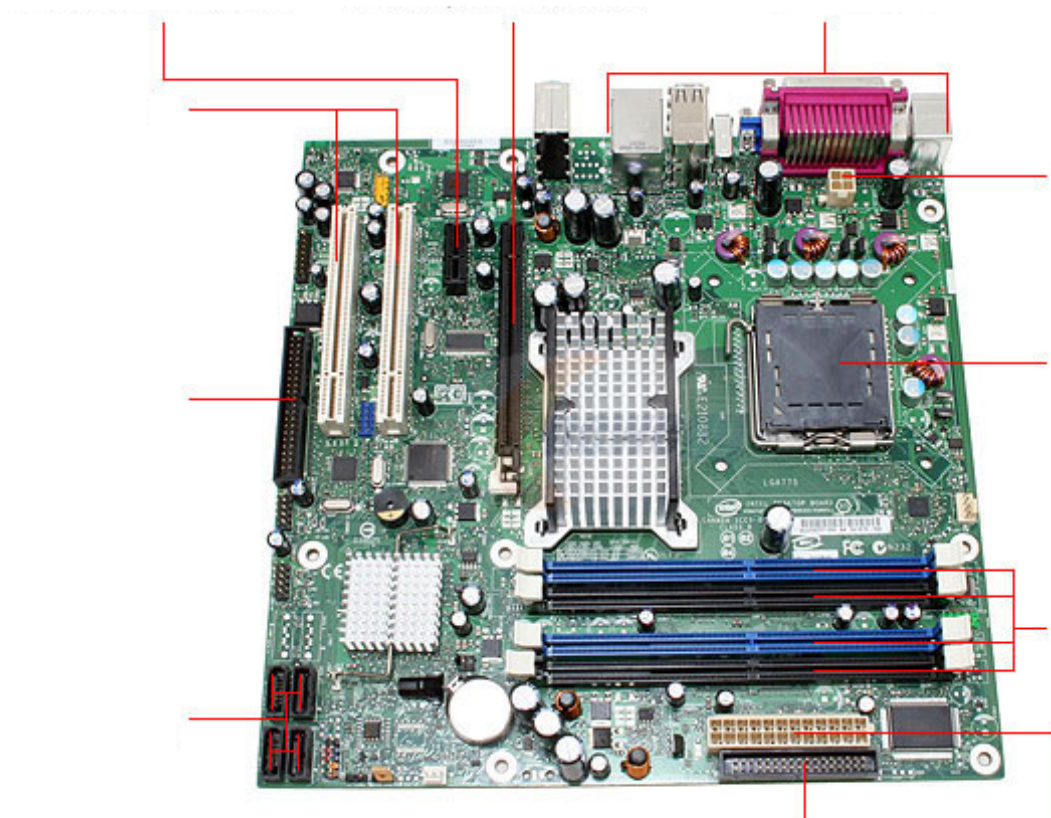
Numeric keypad: The numeric keypad arranges the numerals 0 through 9, the arithmetic operators + (addition), - (subtraction), *

(multiplication), and / (division), and the decimal point as they would appear on a calculator or adding machine. Ejercicio 7

Name the parts of a motherboard

From top left to right and going around the image:

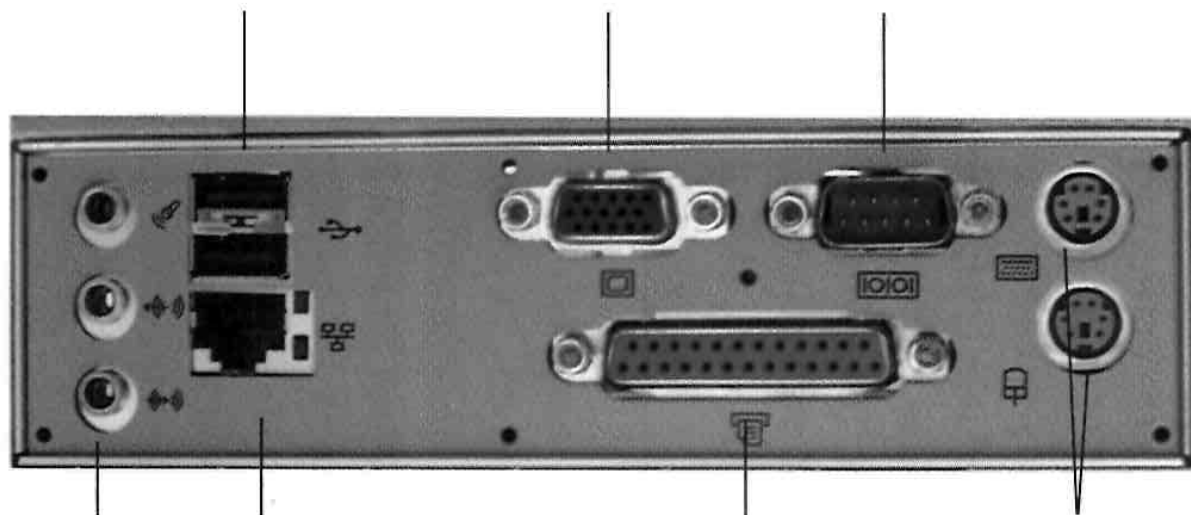
- 1: IDE connector
- 2: Expansion slots
- 3: Connectors for integrated peripherals



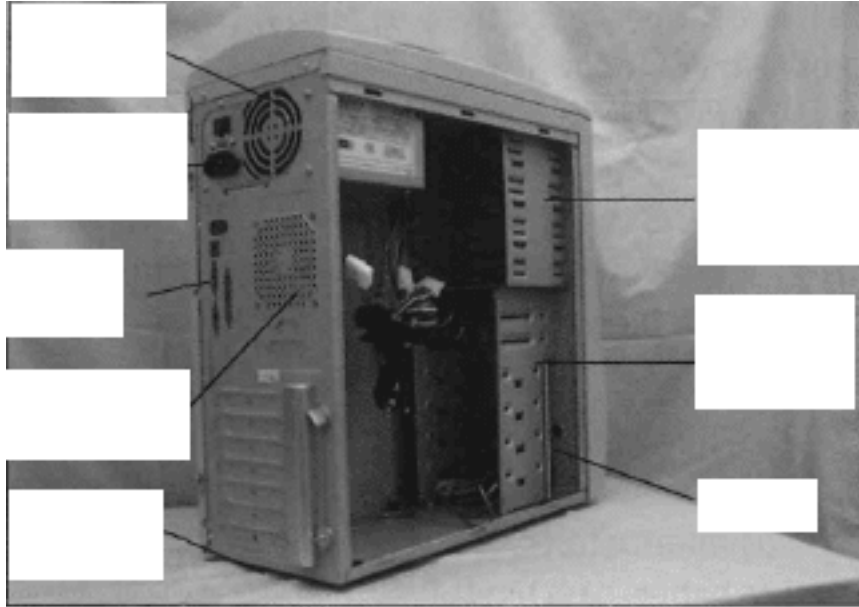
- 4: IC chip
 - 5: CPU
 - 6: DRAM memory slots
 - 7: ATX power connector
 - 8: FDD Header
 - 9: Serial ATA HDD connector
 - 10: CNR riser
- Exercise 8

Name the parts of the following images

Left row: cooling fan, DC input, connection ports, cooling grid, expansion slots



Right row: drive bays (external), drive bays (internal), speaker



2nd image:

up: usb 3.0, D-sub port, Serial port

down: audio port, ethernet port, LPT1 printer port, PS/2

Answer these questions

1. What is a peripheral?
2. What is an input device? Write five examples
3. What is an output device? Write five examples
4. What is an input/output device? Write some examples
5. What is a driver?
6. What is an interface?
7. What is a port? Write the name of the ports that you know.
8. What is the meaning of Plug/Play in a computing context?
9. What are the differences of AT and ATX motherboards?
10. What is the meaning of display dedicated and shared memory?

