



De La Salle University College of Computer Studies

CCICOMP Laboratory Activity 2 - Assemble Your Own PC

Group Members		
Member 1:	Section:	
Member 2:		
Member 3:		

2.0 Laboratory Activity 2 - Assemble Your Own PC

Hello Class, during this Laboratory Activity, we would get the opportunity to put together an actual computer system by plugging-in and installing its various internal components. During the lecture class, we have discussed the different parts of a computer, what each part does, and how they fit inside a computer. You may have also been given some really good <u>instructional videos</u> from **Paul's Hardware**, a well known YouTube Channel, which you may have already checked out.

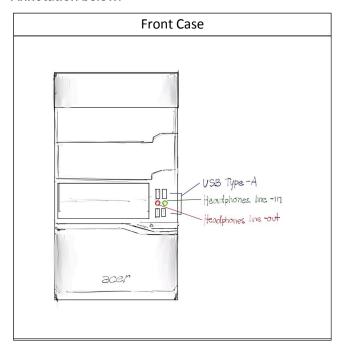
For this Laboratory Activity, we would be interacting with these components that make up a computer and observe if they are as expected based on what we learned from the lectures. To start, have one (1) member of the group kindly get the computer components from the Lab Technicians, if the computer and its components are not yet on your tables:

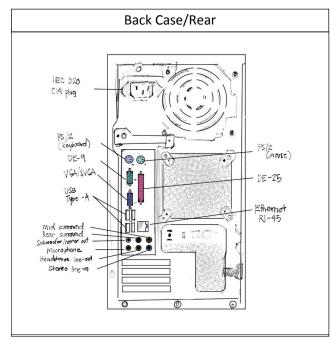
2.1 Objective

This laboratory activity focuses on the student's ability to identify all hardware components and assemble these into the computer casing.

2.2 Procedure

1. Make a drawing of the front and back case/rear of the PC assigned to you. Draw all the switches and port connectors, then label them on your drawing. Note that you may use the chart in the Appendix to help you with the port labels. You can also upload an image of your drawing with labels, then attach it as an Image Annotation below.





2. The first step in the computer assembly process is **to create an inventory** of all computer components to be installed. Lay out all the components that will be used. Gather all the information and complete the inventory sheet below. Most of the needed information can be found on the components so make sure to inspect them carefully. If the information is not available or cannot be determined, feel free to search on the Internet. If there is really no information available, write **N/A**.

Component	Specifications						
Computer Brand	Name Model						
Case	Number of 3.5" bays Number of 5.25" bays						
Motherboard	Manufacturer						
	Model (if available)						
	Is there a CPU socket?						
	How many PCI slots are there?						
	How many PCI-E slots are there?						
	How many SATA connectors are there?						
	How many IDE connectors are there?						
	How many serial ports are there?						
	How many USB ports are there?						
	Is there a CMOS battery?						
_	,						
Processor	Manufacturer						
	Model						
	What type of socket does your CPU use?						
Memory	☐ 168-pin DIMMs ☐ 184-pin DIMMs ☐ 160-pin RIMMs						
	☐ Others, please specify						
	How many memory slots are there?						
Hard Drive	Manufacturer						
	Model						
	Interface Type: IDE SATA						
	☐ Others, please specify						
CD / DVD ROM	Manufacturer						
•	Model						
	Interface Type: Interface Ty						
	☐ Others, please specify						

Video Card	Manufacturer			
	Model			
	Memory size			<u></u>
	Interface Type:	☐ On board	PCI-E □ PCI	
Sound Card	Manufacturer			
	Model			
	Memory size			
	Interface Type			
Mouse Port	Type:	□ PS/2	□USB	
Keyboard Port	Connector:	□ PS/2	□USB	
Power Supply Enumerate the pro	Power supply Wat		ocess and how you were able to solve	e then
			ocess and how you were able to solve	e them
Enumerate the pro	blems encountered du	iring the assembly pr	ocess and how you were able to solve	e then
Enumerate the pro	blems encountered du	iring the assembly pr		e them
Enumerate the pro	blems encountered du	iring the assembly pr		e them
Enumerate the pro	blems encountered du	iring the assembly pr		e them
How can you tell a	USB / USB2.0 port apa	rt from a USB 3.0 poi		
How can you tell a	USB / USB2.0 port apa	rt from a USB 3.0 poi	t solely through inspection?	
How can you tell a	USB / USB2.0 port apa	rt from a USB 3.0 poi	t solely through inspection?	

2.3 Synthesis

With all the tasks given to your group for this activity, can you summarize your learnings and findings by providing a Conclusion. The Conclusion may discuss some realizations on the roles of the different components in a computer, how they are connected with each other, as well as the overall process of assembling a computer. Use the space provided below:				

After completing the activity, don't forget to submit the completed manual in the respective assignment in AnimoSpace.

Have fun!

2.4 Appendix: Computer Connectors and Ports



Reference: https://techguiarati.com/en/hardwares/all-computer-ports-and-connectors-pc-2/