

Computer Lab Exercise **Visual Inspection of PC**

Name: _____ Date: _____ Letter on PC _____

You are to find information about the computer by visual inspection outside and inside the PC.

Note: This is meant to be a learning experience and similar questions may be included on a test. Help each other!
Circle NA or write NA if cannot determine.

Boot the PC box

These old PCs should boot. Attach the mouse, keyboard, video and power plugs from an adjacent computer in the labs. No LAN! Then boot PC. When done with this part of the lab exercise, please replace those plugs as they were originally!

1. Did it boot? Yes or no
2. What OS did it boot into? _____

Outside box Identify Ports on back and front, include both in answers.

1. Old, but still available. PS/2 ports: yes no How many _____
2. USB2 ports: How many _____ USB3 Usually color coded blue? How many: _____
3. Sound ports: yes no
4. HDMI port: yes no
5. Old, ESATA port for external hard drive, usually color coded red: yes no
6. Network Interface Card (NIC) or RJ45 port: yes no
7. Display ports: analog VGA port, often color coded blue or black: yes no
Digital DVI port, usually color coded white: yes no

Inside the box

Fact: The Form Factor (size) of motherboard is micro ATX (μ ATX), The other major size is ATX.

1. Motherboard manufacturer: _____ Model : _____
These should be printed on the motherboard!
2. Expansion bus slots, they may be long, short and different colors. Peripherals are inserted into the slots, ports would be out of the back of the PC: How many are there? _____
3. The circuitry for the Network Interface Card (NIC), sound and Video are built into mobo.
Verify that is no extra video or NIC! Yes no
4. Number of RAM slots: _____ Number of sticks of RAM: _____
Take one stick out and determine the following, then replace the stick.

Amount of RAM per Stick: _____, Circle! DDR2 or DDR3 or DDR4?

Speed: PC Number: _____ or NA
5. Remove Hard Drive determine Brand/vendor Name: _____ and
Capacity: _____ Replace the hard drive!
6. Number of SATA ports: _____
7. Do not remove power supply (PSU)! Information about the PSU should be on a label on the PSU. If
information is not hidden determine Vendor _____ and maximum Wattage _____
or NA .
8. Notice how and where power is plugged in to the motherboard! You may disconnect from mobo. The main
connection is 24 pins! There is also a special power connection for the CPU is it a 4, 6 or 8 pin
connection? Circle correct one.