



Dell Optiplex GX620 Teardown

tearing down the entire computer to the bare components.

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TOOLS:

- [Phillips #2 Screwdriver](#) (1)
 - [1/4" Socket](#) (1)
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Step 1 — Removing the side panel



- Start by removing the side panel by rotating the blue knob in the direction of the arrow

Step 2 — Removing the floppy drive



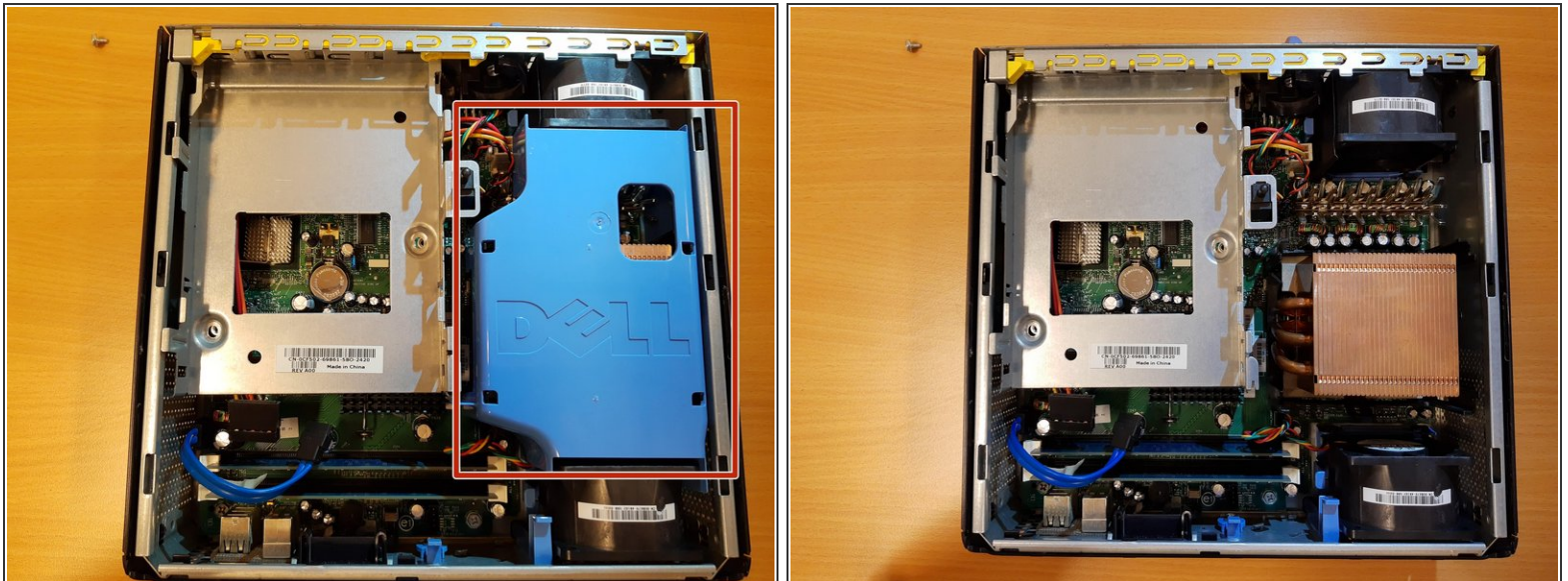
- Remove the floppy drive by pressing the marked knob.
- ⓘ There might be a screw on the underside of it.
- Then pull on the tab that came out of the floppy drive to remove it.

Step 3 — Removing the hard drive



- Remove the hard drive by squeezing the two blue tabs on the side.
- Then pull the hard drive towards the front of the computer.
- Pull out the two cables on the hard drive.
- Then lift the hard drive up and out.

Step 4 — Removing blue cover



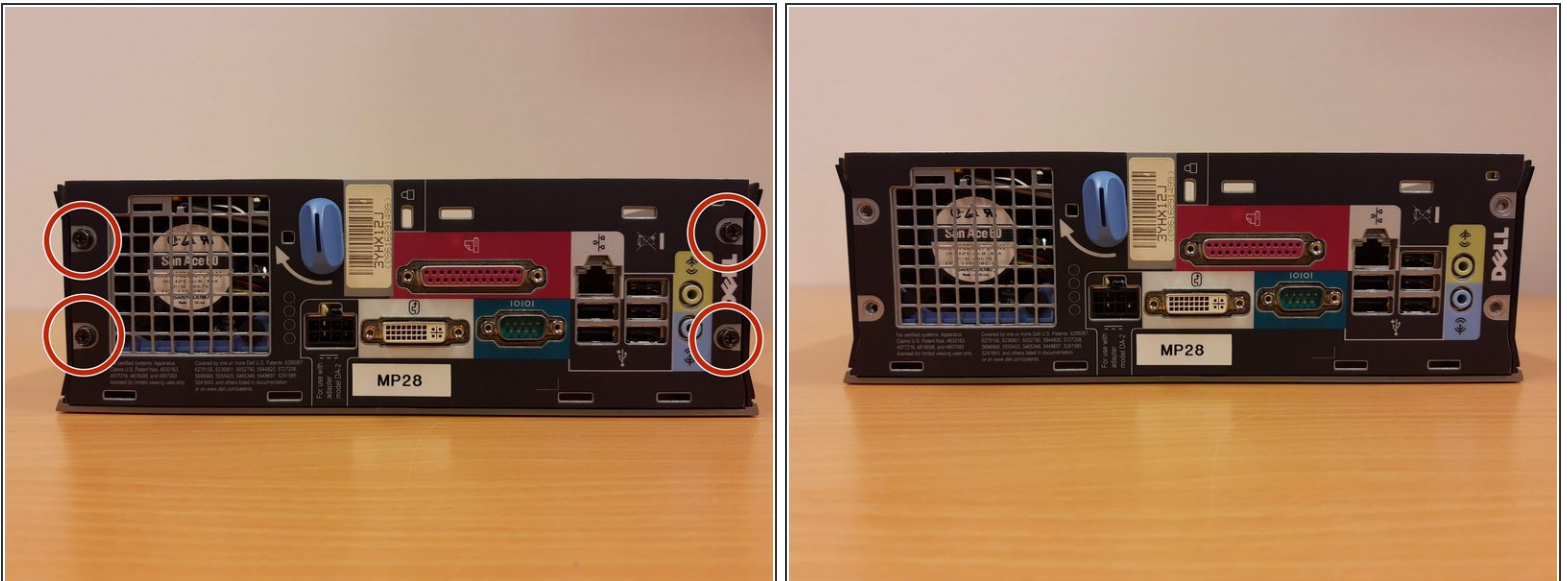
- Remove the blue cover with 'DELL' on it. by simply pulling it up and out.

Step 5 — Removing the hard drive bracket



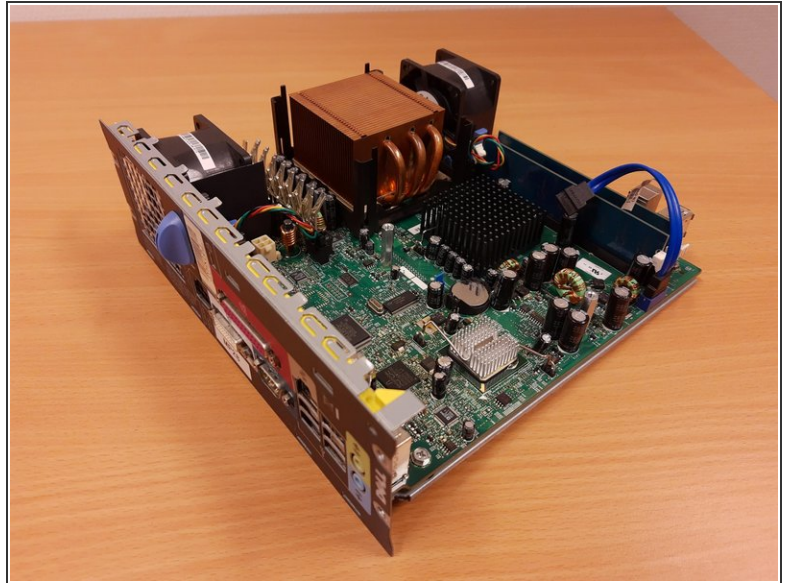
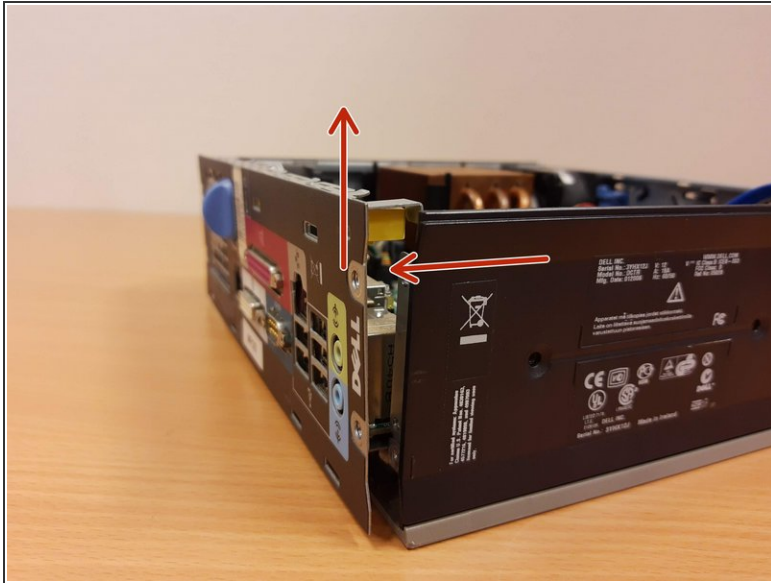
- Remove the hard drive bracket by unscrewing the two screws.
- Slide the hard drive bracket to the left and then towards the front of the computer.
- Unplug the connector for the switch. by pressing the little tab on the connector and pulling it up.
- And lift the entire bracket out

Step 6 — Removing the back screws



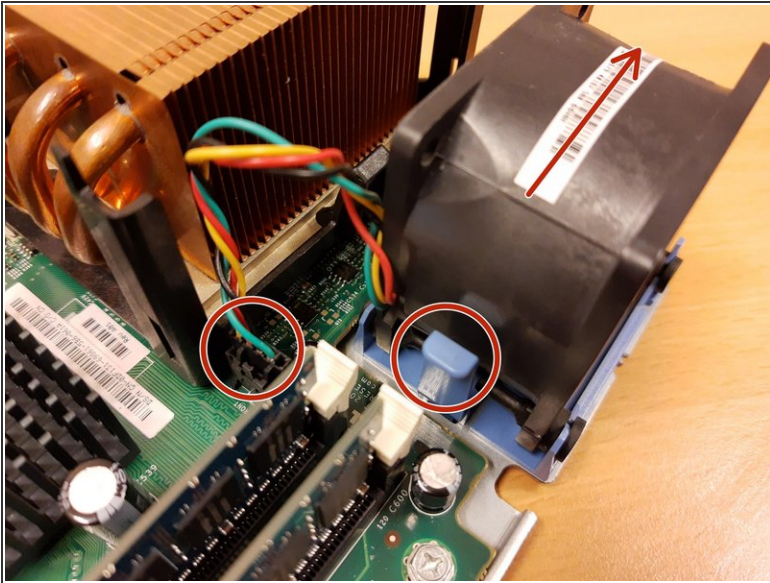
- Unscrew the four screws on the back.

Step 7 — Removing the motherboard tray



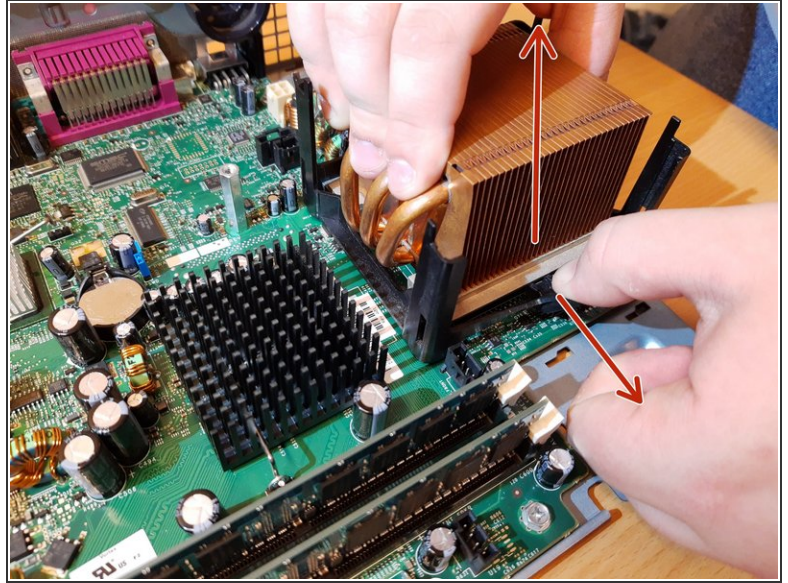
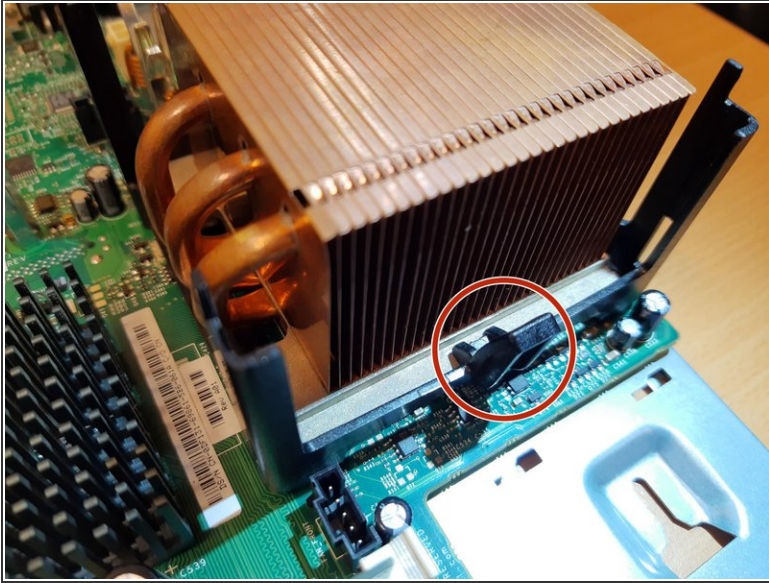
- Slide the back plate back, as shown in the picture.
- And lift the motherboard tray up and out

Step 8 — Removing the fans



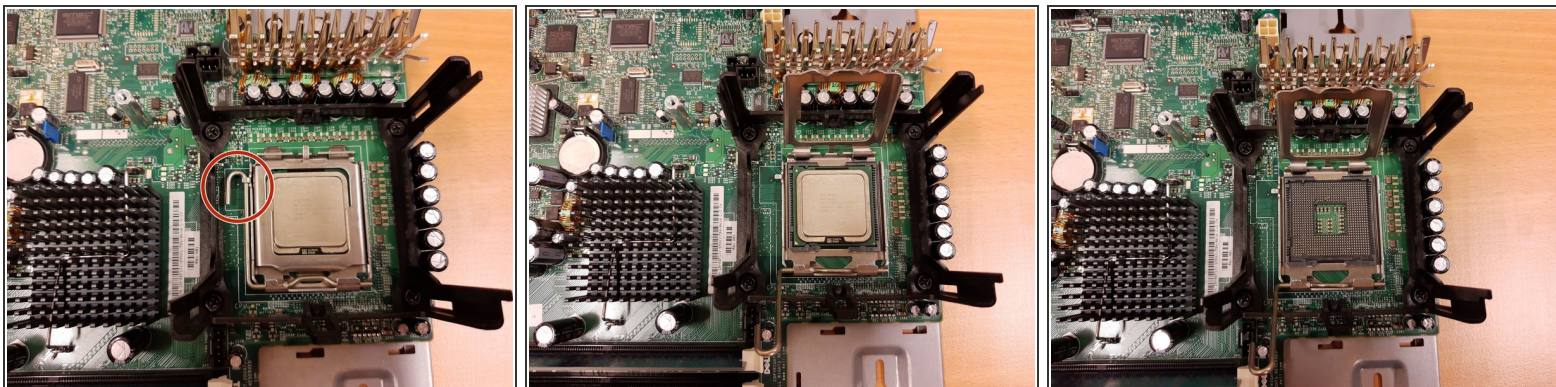
- Remove both fans by pressing the tab shown in the picture and sliding the fan in the direction shown.
- Unplug the connector from the fan by pressing on the little tab on the connector and pulling it up, preferably by the housing of the connector, not the wires.

Step 9 — Removing the heatsink



- Pull back the black tab.
- ⚠ Quite a bit of force required
- Pull the heatsink upwards.

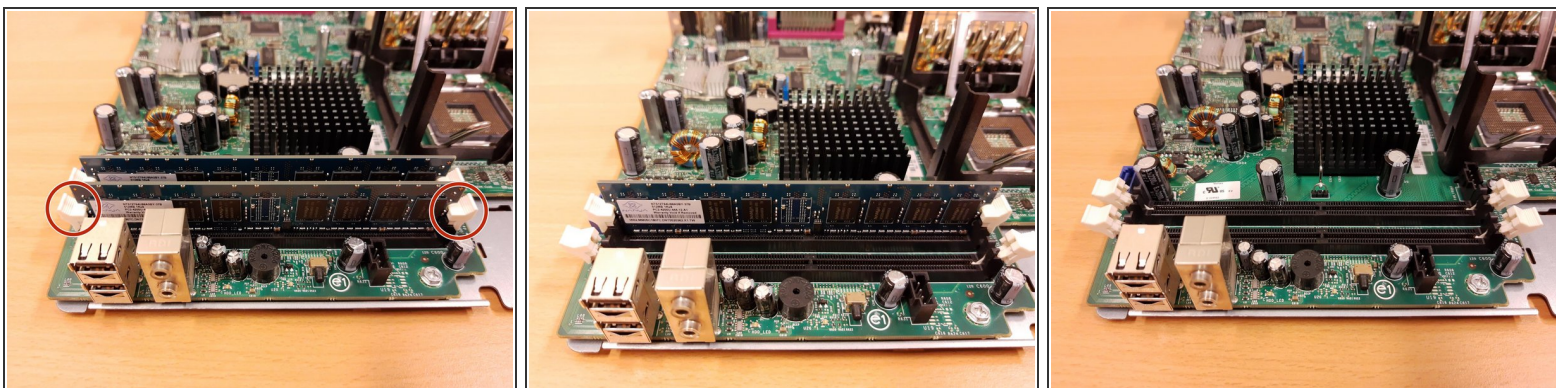
Step 10 — Removing the CPU



- Push down on the lever on the left hand side, and push it to the left.
- Lift the lever up
- And then lift the bracket up
- Remove the CPU by lifting it straight up by the edges of the green PCB.

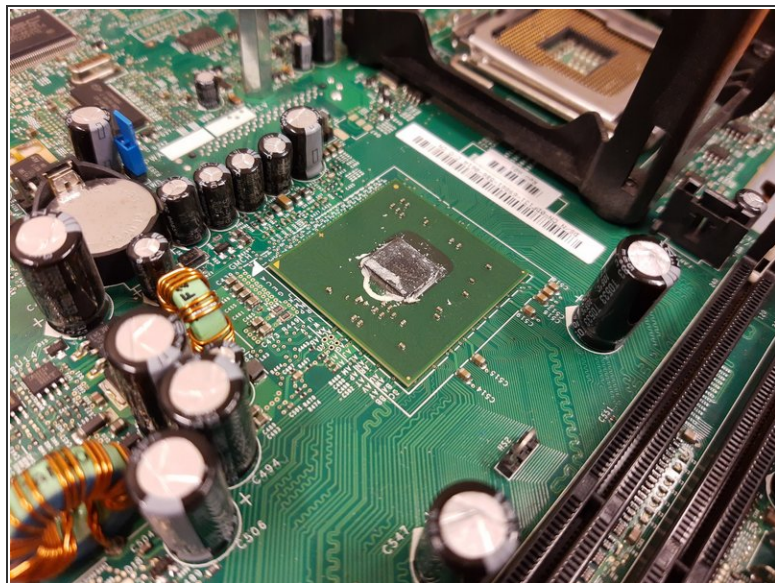
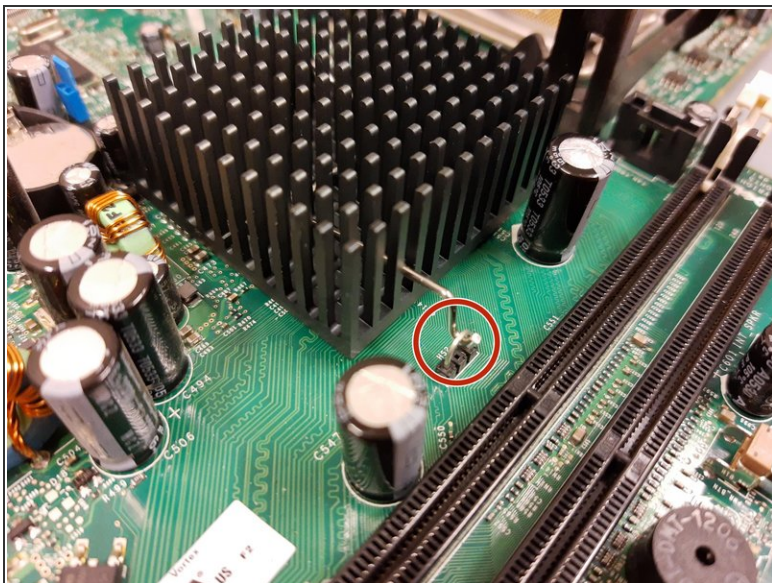
⚠ Be careful not to bend any of the pins of the CPU socket.

Step 11 — Removing RAM sticks



- Remove the RAM sticks by pulling the white tabs away from the RAM sticks.
- Pull up and the RAM stick, it should be loose now, if not redo step 1.
- Do the same for the second RAM stick.

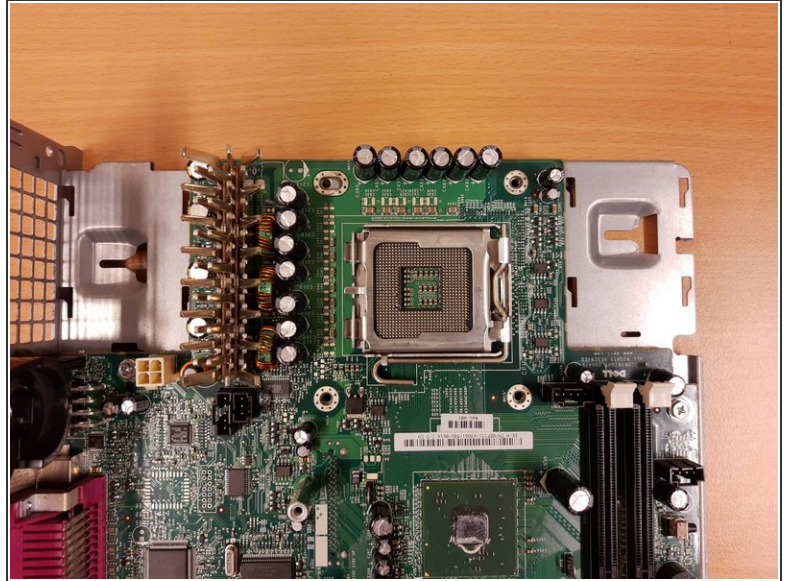
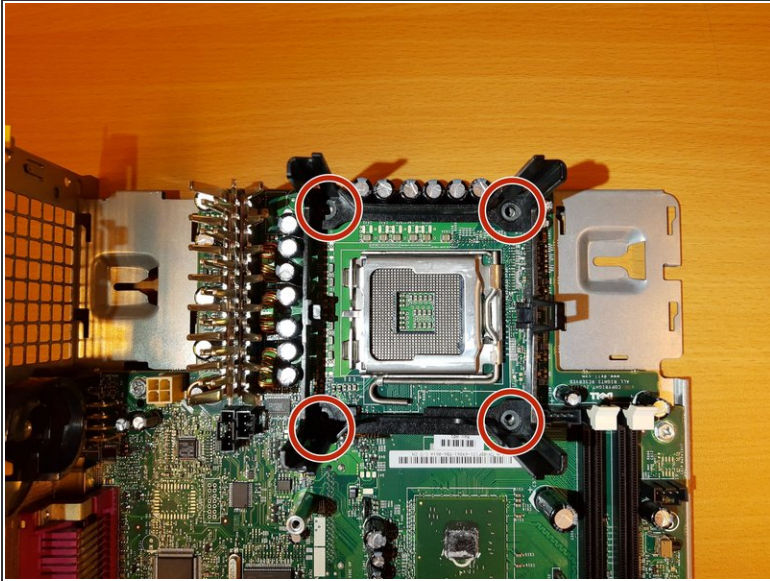
Step 12 — Removing the graphics heat sink.



- Remove the heat sink for the graphics chip by pressing the metal tab down and out of the hole.

⚠ Be VERY careful to keep the heat sink flat whilst removing it, otherwise you might crack the die.

Step 13 — Removing the heatsink bracket

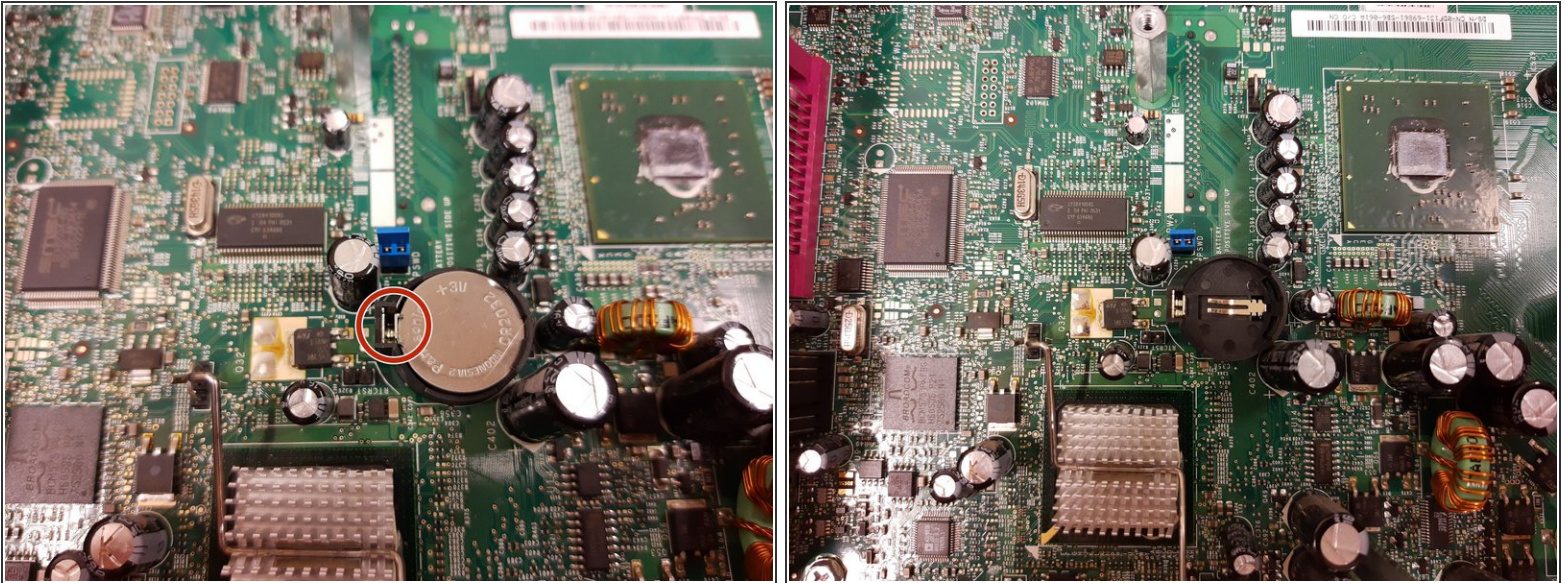


- Unscrew the four screws holding the bracket that holds the heatsink.

⚠ Be careful not to drop any screws in the CPU socket.

- Remove the plastic bracket

Step 14 — Removing the CMOS battery



- Remove the CMOS battery by pushing the tab marked in the picture to the left. And the battery will pop out.

 using a screwdriver might help.

Step 15 — Removing the motherboard from the motherboard tray



- Remove the three screws and two standoffs from the motherboard.
- Lift the motherboard from the motherboard bracket.

 Again be careful not to drop any screws in the CPU socket.

Step 16 — All the components



- And there you have it, all the components of the Dell Optiplex GX620.