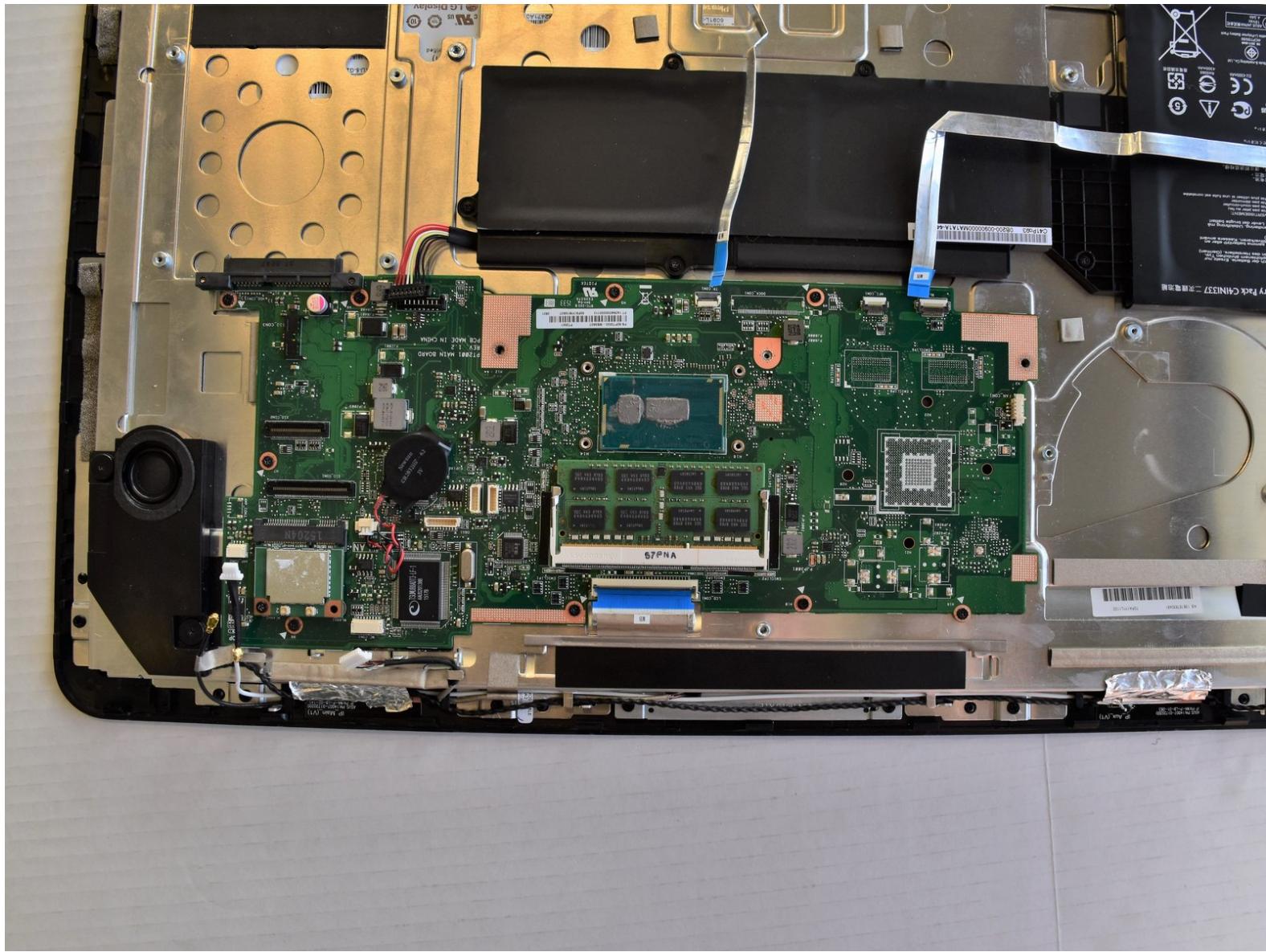




ASUS Portable AiO PT2001 Motherboard Replacement

How to replace the motherboard of the ASUS Portable AiO PT2001.

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INTRODUCTION

This guide will show how to replace the motherboard of the ASUS Portable AiO PT2001.

TOOLS:

- [Spudger](#) (1)
- [Phillips #1 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (2)

At least one wide plastic opening tool.

Step 1 — Back Panel



- Remove the grey scuff guard at the bottom of the PC by pressing down on it, and pulling it away.
- Lift the hinge and remove the grey rubber tabs on either side of the PC's model information.
- Remove the two 7.62mm Phillips #1 screws beneath the rubber tabs under the hinge and the four 7.62mm Phillips #1 screws where the scuff guard was removed.
- Remove the two 4.74mm Phillips #1 screws under the hinge (near the hinge joints) and a 4.74mm Phillips #1 screw under the handle.

Step 2



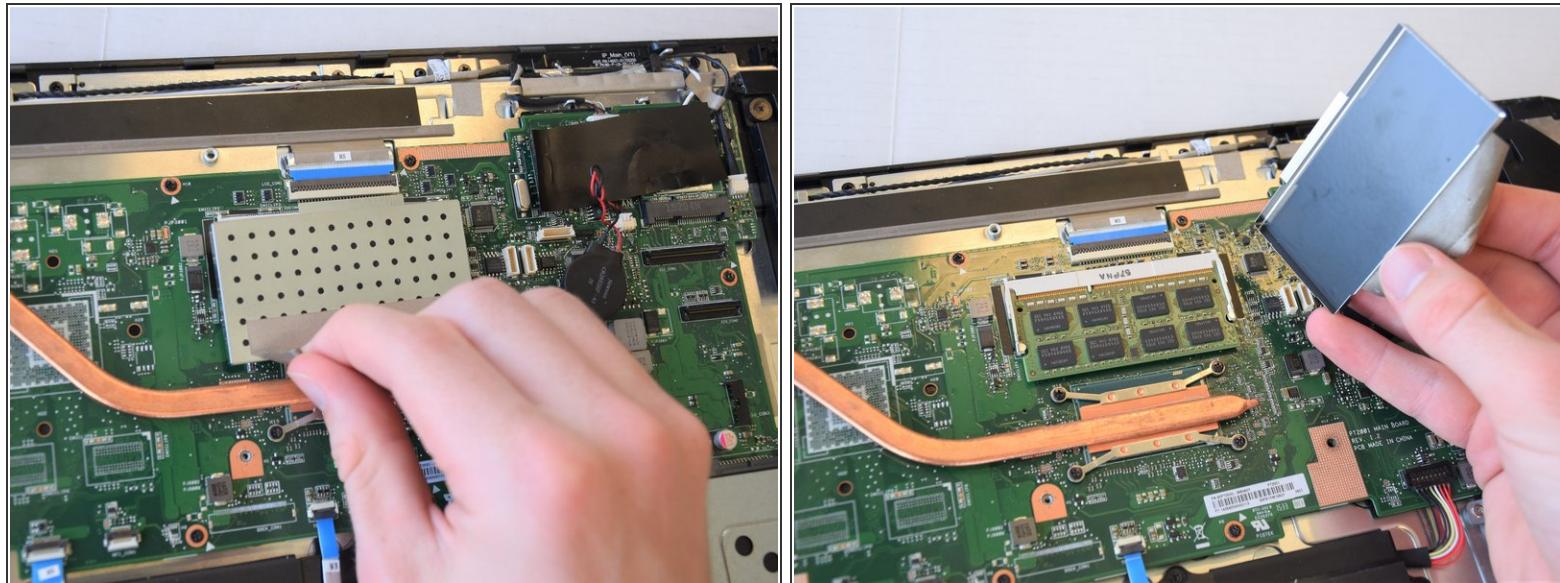
- Use 1-2 plastic opening tools or nylon spudgers to firmly pry open the back panel.
- We recommend that you start prying the panel where the scuff guard was removed.
- Prying the back panel will cause loud popping noises. This is just the sound of the clips that hold the back panel to the PC popping off.
- ⚠ Using excess force while prying can break the clips that hold the back panel and can damage the ports on the side of the PC.

Step 3



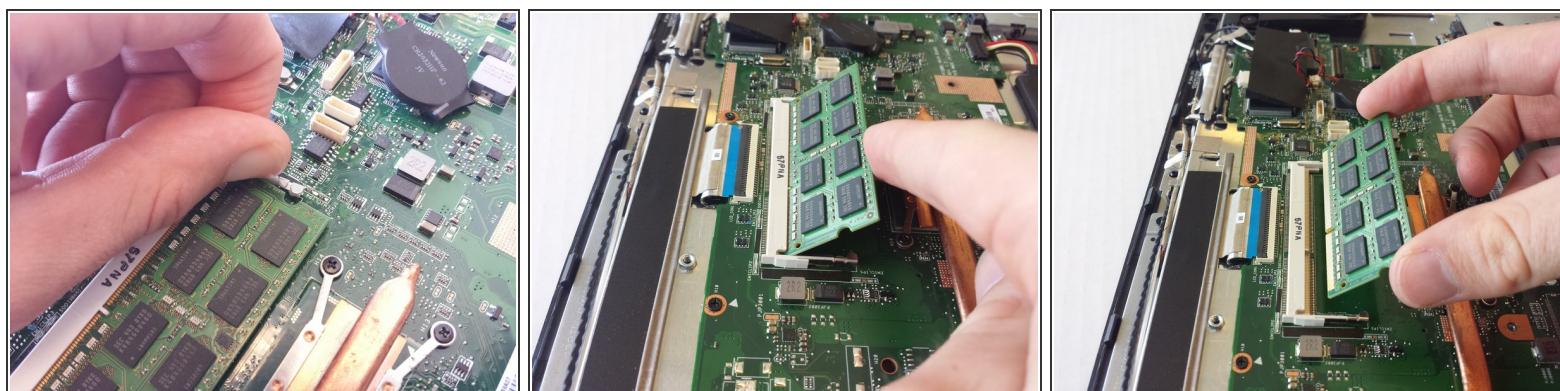
- Disconnect the three cables connecting the back panel ports to the motherboard.
- Flip up the locking latch holding the two ribbon cables with a plastic opening tool and pull the cables out.
- Gently wiggle the third connector out of its socket.

Step 4 — RAM



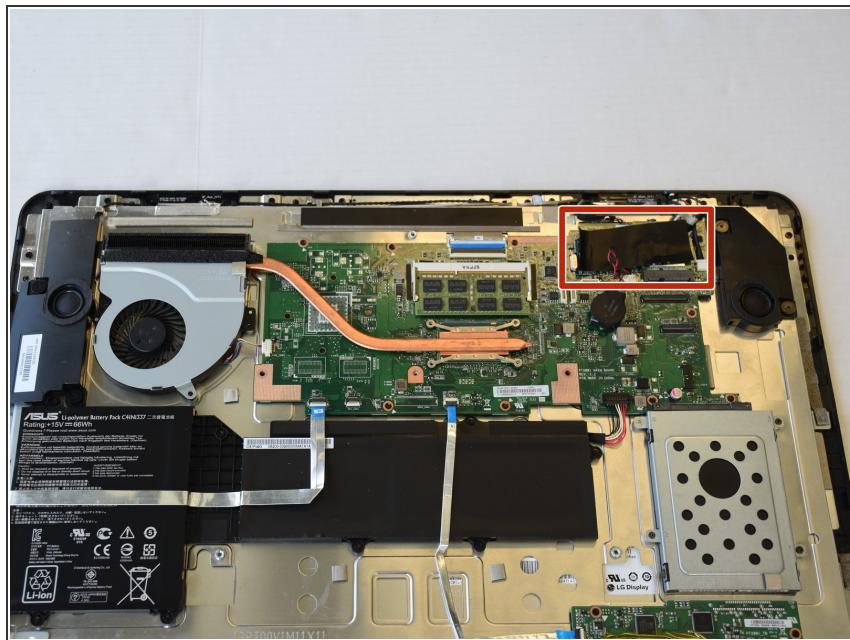
- Peel off the tape attaching the metal enclosure to the heat sink.
- Lift the metal enclosure off of the motherboard.

Step 5



- Pull the jaws of the white plastic frame apart. This will pop the front of the RAM up.
- Gently lift the front edge of the RAM.
- Pull the RAM out and up.

Step 6 — Wireless Card



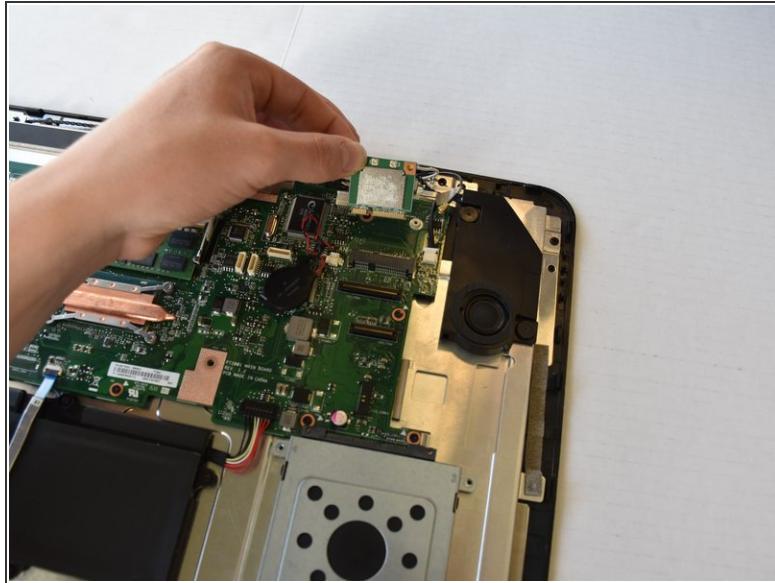
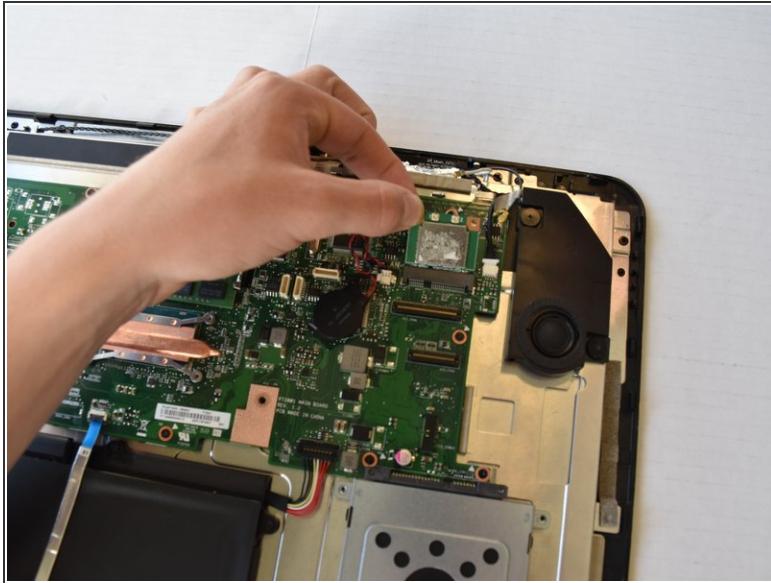
- The wireless card is on the corner of the motherboard next to the speaker. Remove the black tape to reveal the wireless card.

Step 7



- Remove the 3.5 mm Phillips #1 screw from the wireless card.
- Remove the connectors by pulling straight up on their ends.

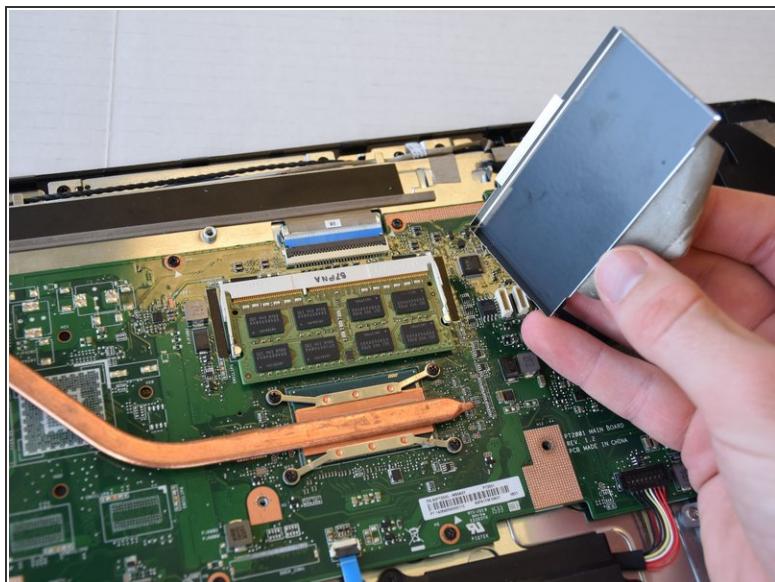
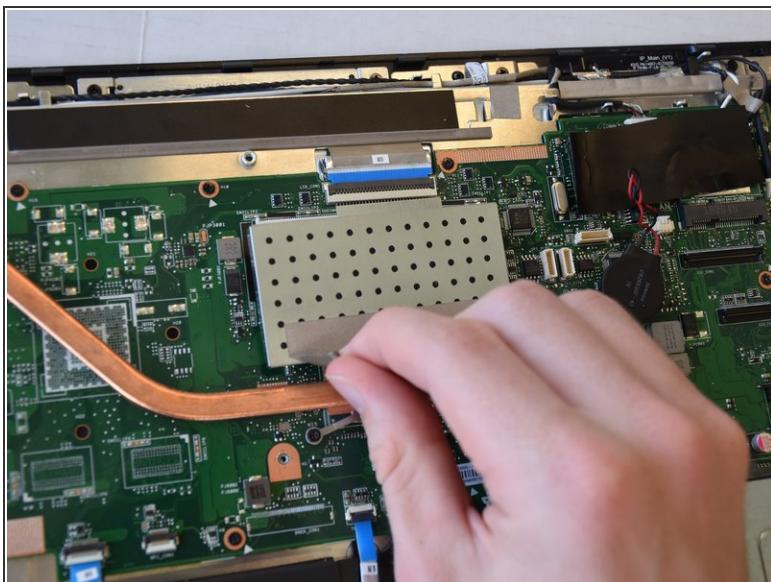
Step 8



- Remove the wireless card from the casing by lifting up then pulling out.

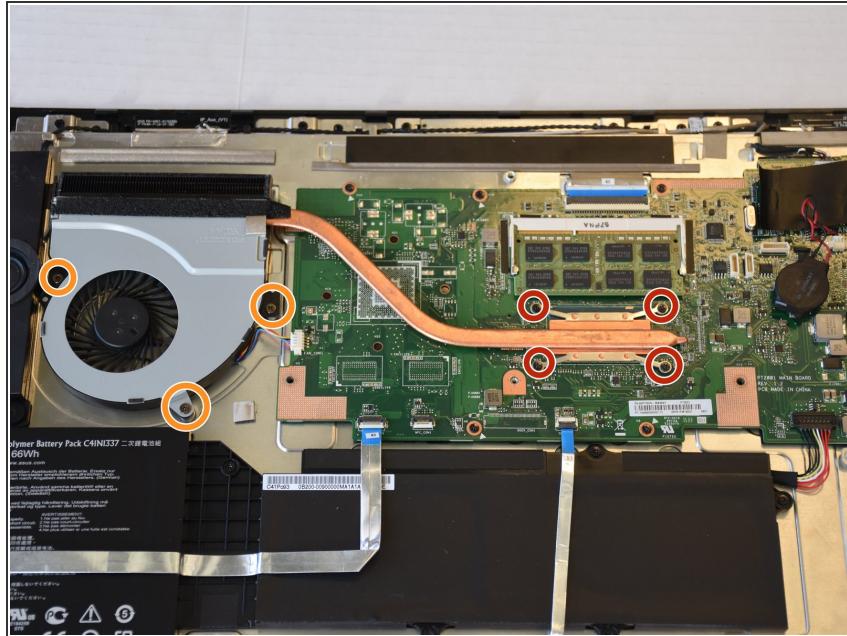
 The wireless card is fragile. Be careful when pulling it out of the casing.

Step 9 — Heat Sink and Fan



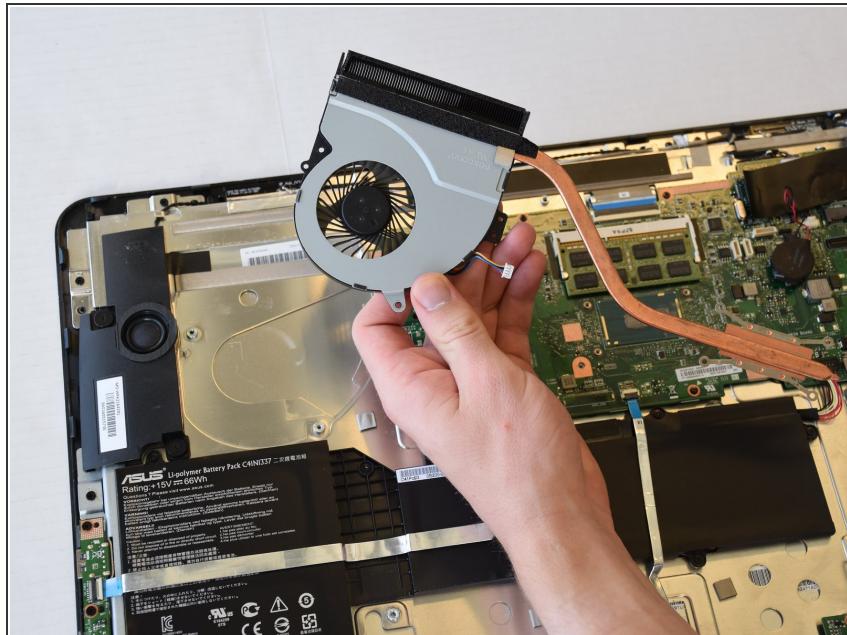
- Remove the tape attached to the heat sink and the metal enclosure.
- Lift the metal enclosure off.

Step 10



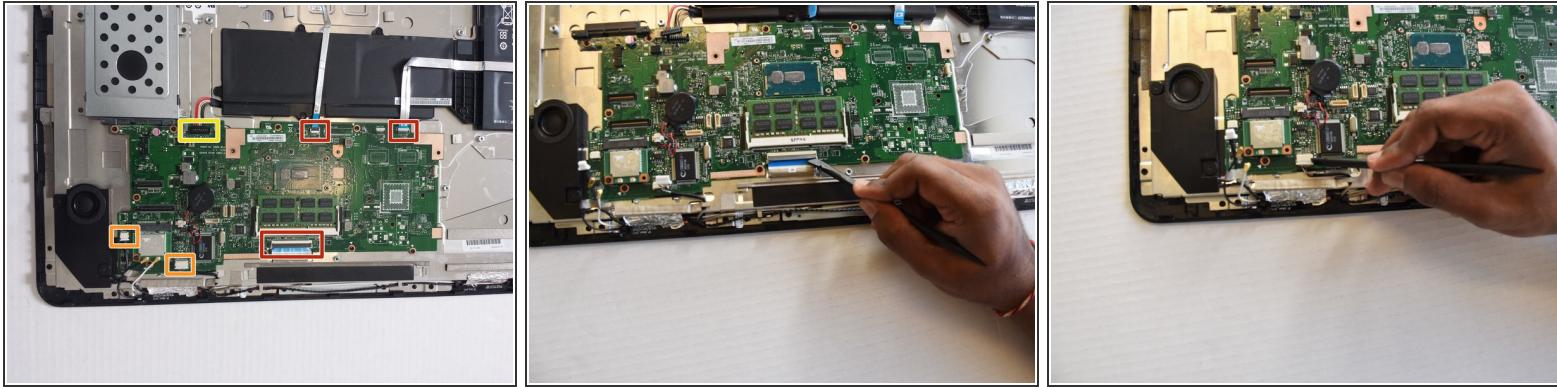
- Remove the four 3.0 mm Phillips #1 screws attaching the heat sink to the motherboard.
- Remove the three 4.0 mm Phillips #1 screws connecting the fan to the device.

Step 11



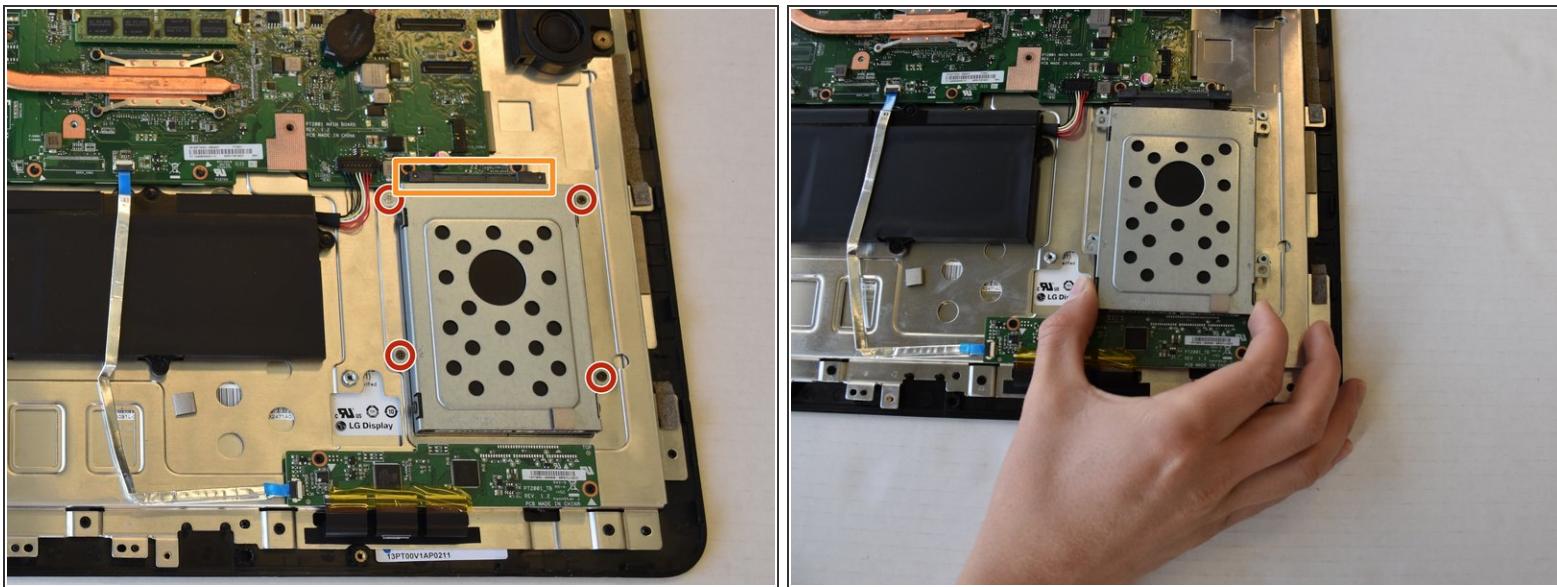
- Lift the heat sink and fan assembly off of the device.
- When putting the heat sink back into place, reapply thermal paste to the underside of the heat sink where it rests on the motherboard.

Step 12 — Motherboard



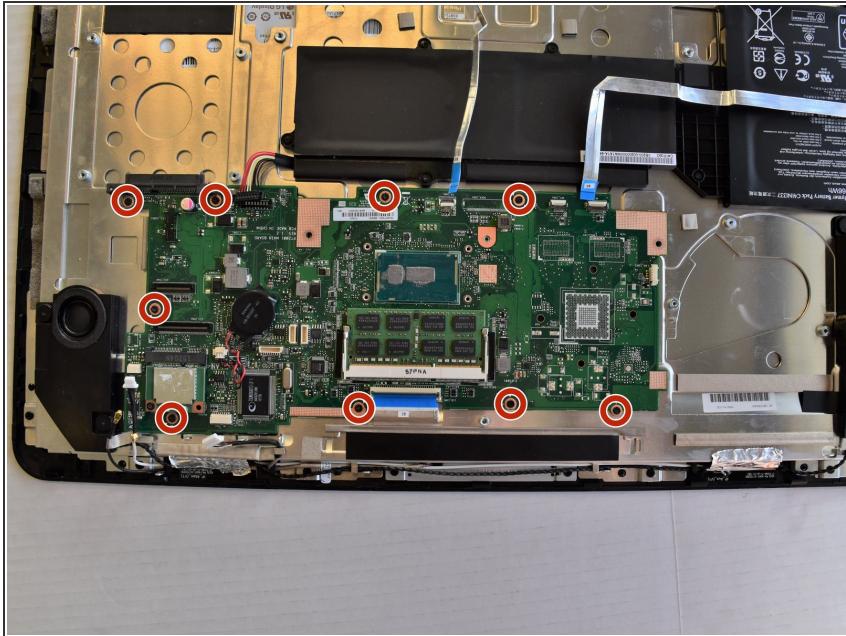
- Flip up the locking mechanism and disconnect the three cables using a nylon spudger.
- Disconnect two more cables by pulling back on the cable using a nylon spudger.
- Disconnect the battery cable by pulling up on the black connector.

Step 13



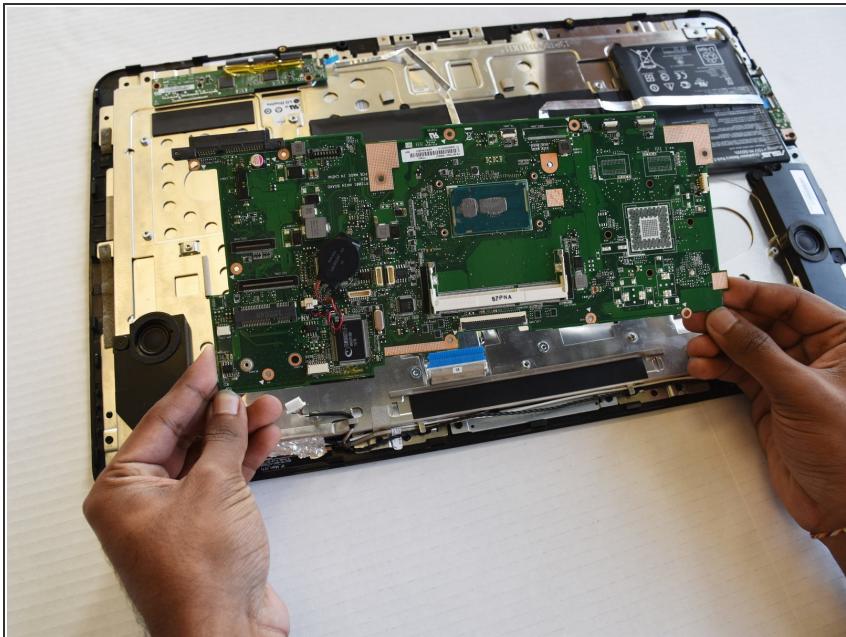
- Use a Phillips #1 screwdriver to remove the four-5mm screws that hold the hard drive enclosure to the PC.
- Pull the hard drive away from the motherboard and set it aside.

Step 14



- Use a Phillips #1 screwdriver to remove the nine 3.5mm screws located at the sides of the motherboard.
- The screws are denoted by white triangles.*

Step 15



- Lift the motherboard off the motherboard standoffs.
- Remembering the position of the motherboard standoffs makes it easier to position the motherboard when placing it back in the PC.*

To reassemble your device, follow these instructions in reverse order.