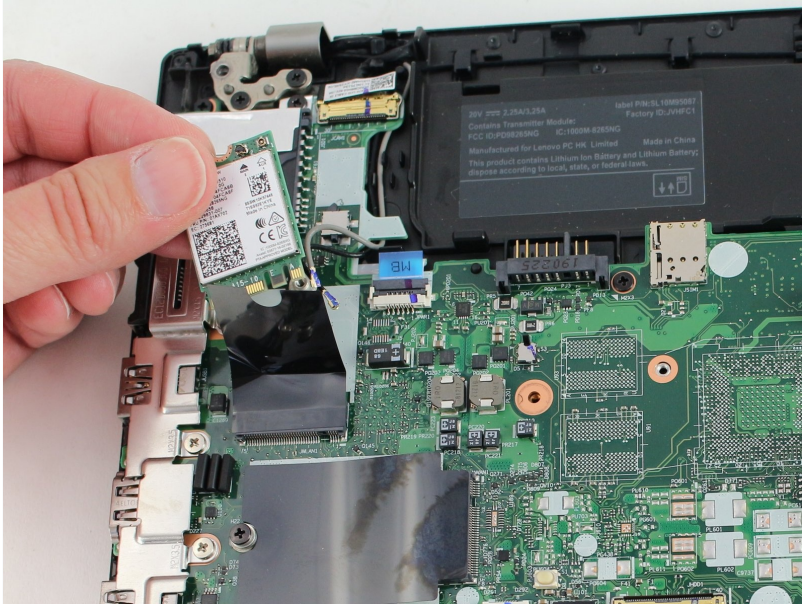




Lenovo ThinkPad T480 Wi-Fi Card Replacement

The Wi-Fi card communicates with your wireless...

Written By: Sarah Westberg



INTRODUCTION

The Wi-Fi card communicates with your wireless network through the router. If it is in range, your laptop will be able to connect to the internet if it's not password protected. If your Wi-Fi card is failing, follow this guide to replace your Lenovo ThinkPad T480 Wi-Fi Card.

The main symptom of a failing Wi-Fi card is problems with connectivity—more specifically failure to locate wireless connections, intermittent wireless connections and loss of connectivity due to hardware damage.

Prior to beginning this guide, be sure to [disable the internal battery](#), power off the device, and unplug the laptop from the charging cable.

🔧 TOOLS:

[Phillips #1 Screwdriver](#) (1)
[iFixit Opening Tool](#) (1)
[Spudger](#) (1)
[MHF4L Antenna Disconnect Tool \(90609-0001\)](#) (1)
[Angled Tweezers](#) (1)

⚙️ PARTS:

[intel model ax210 Wifi Card](#) (1)

Step 1 — External Battery



⚠️ [Disable the battery](#), power down, and unplug your device before you begin.

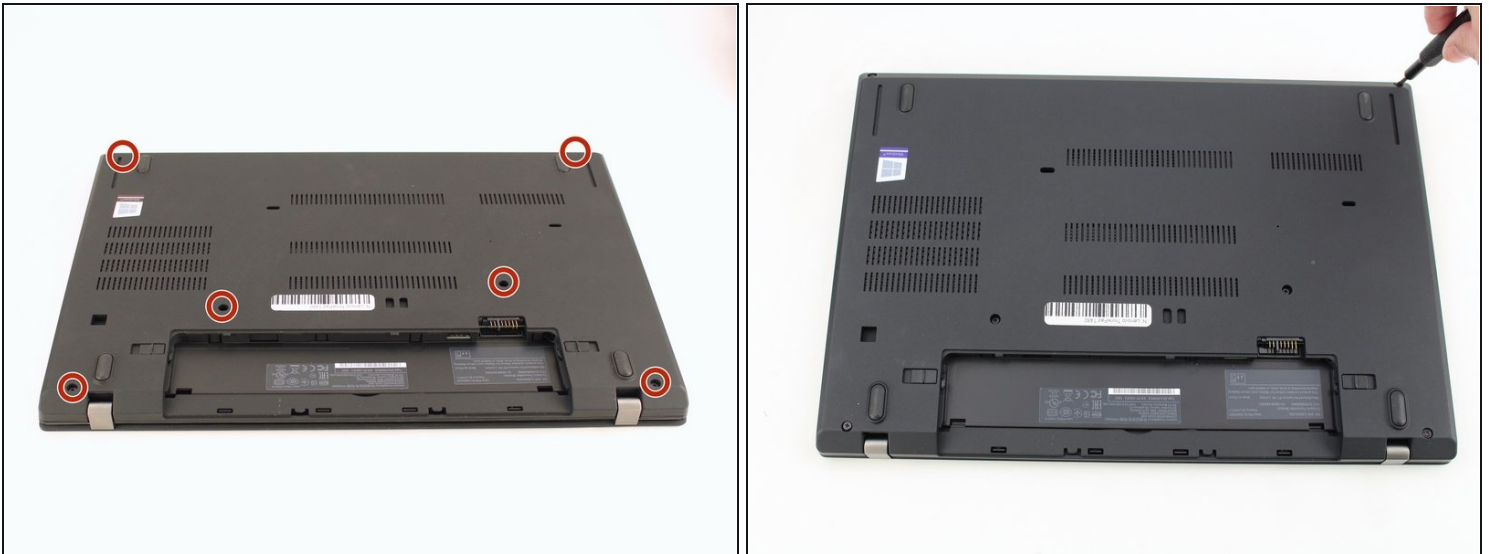
- Flip the laptop over so the bottom of the device is showing.

Step 2



- Using your fingers, slide the lock on each side of the battery to the unlocked position.
- Remove the battery from the slot.

Step 3 — Back Cover



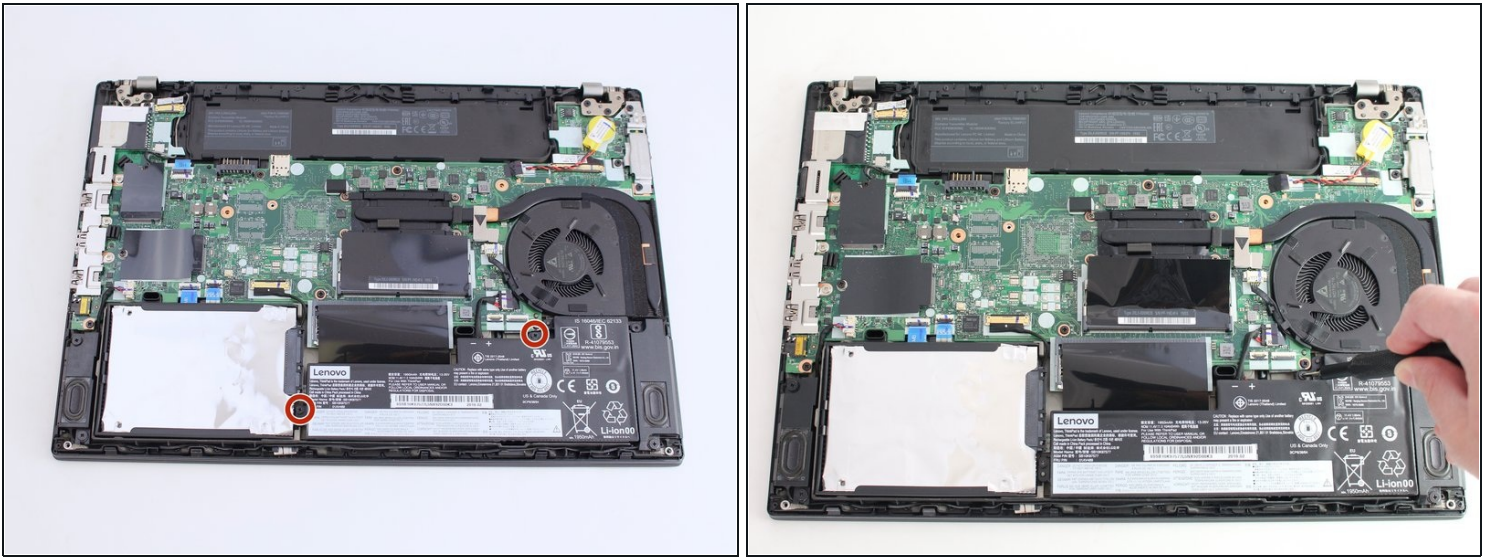
- Using the Phillips #1 screwdriver, loosen the six captive screws.

Step 4



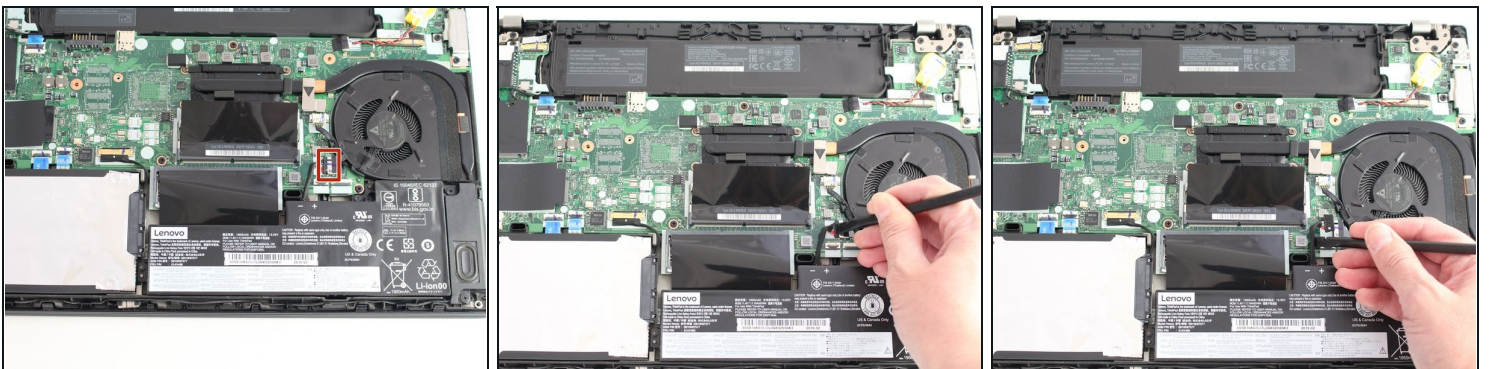
- Insert the blue plastic opening tool into the space between the lower case and the chassis.
- Slide the opening tool around the perimeter of the case to release the clips holding the case and the chassis together.
- ① If it feels like the battery well portion of the back cover isn't loose, these clips may be holding the cover to the laptop. Use your opening tool to pry the clips loose and try removing the cover again.
- Remove the back case.

Step 5 — Remove the battery



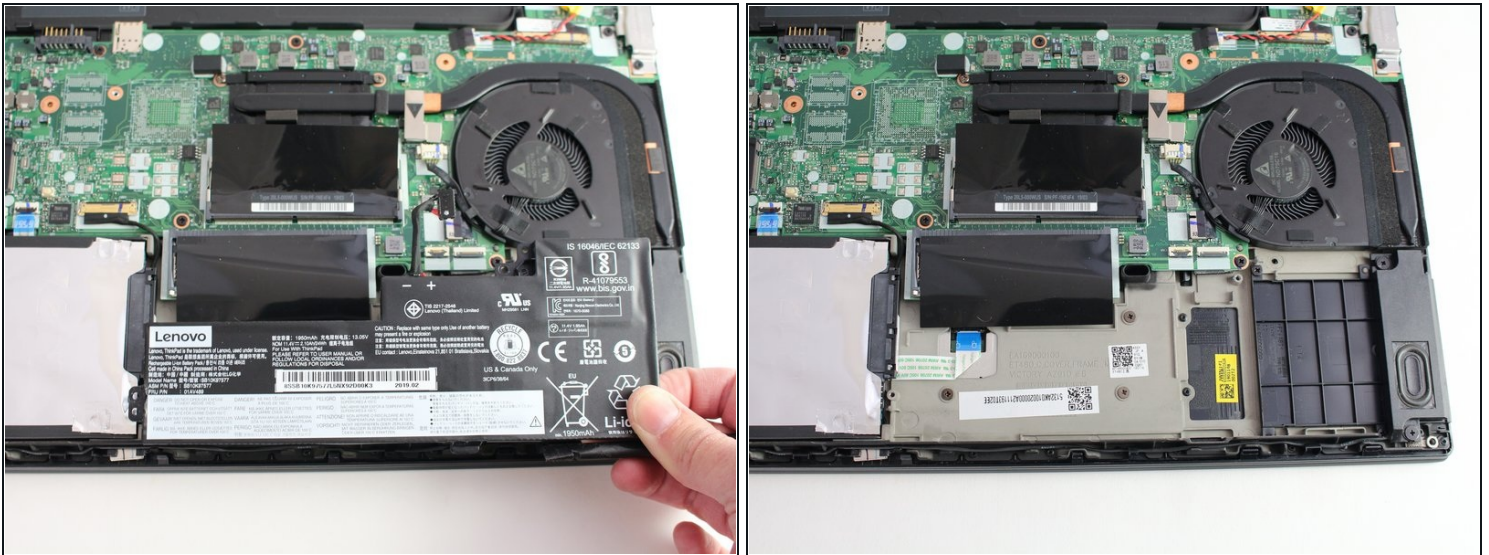
- Use a Phillips #1 screwdriver to remove the two 4.6 mm screws that secure the internal battery to the frame.
- ⓘ Not All T480 laptops come with an internal battery. If there is a spacer or nothing here, skip the next two steps.

Step 6



- Use the spudger to slide the battery socket connector parallel to the motherboard and out of its socket on the motherboard.

Step 7



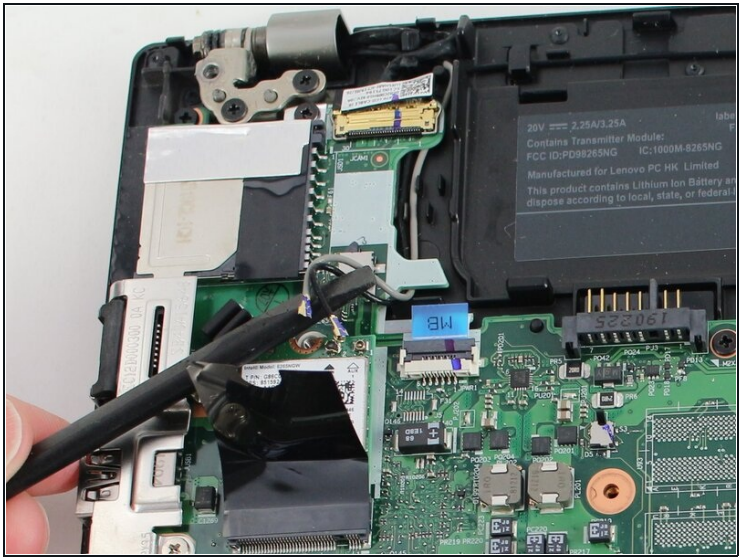
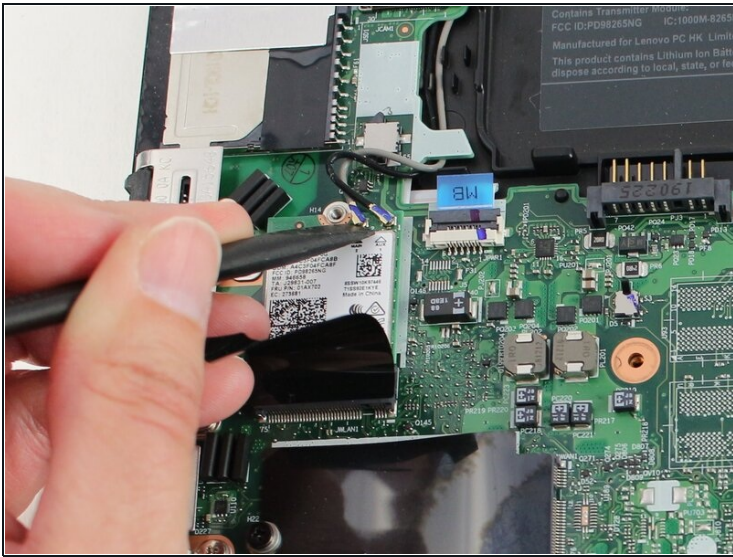
- Lift the battery straight out of its recess and remove it.
- ① If the battery is difficult to remove from the recess, use a nylon spudger to gently lift it on one edge, making it easier to grasp and remove by hand.
- ⚠ To prevent damage or potential fire, do not bend or flex the battery. Only use a plastic spudger and avoid any sharp tools that could puncture the battery.

Step 8 — Wi-Fi Card



- Using the Phillips #1 screwdriver, remove the single 3.6 mm screw at the top of the Wi-Fi card attaching it to the motherboard.

Step 9



- Slide a thin, ESD-safe pry tool or angled tweezers under the metal neck of the connector (as close to the head as possible) and lift straight up from the board.

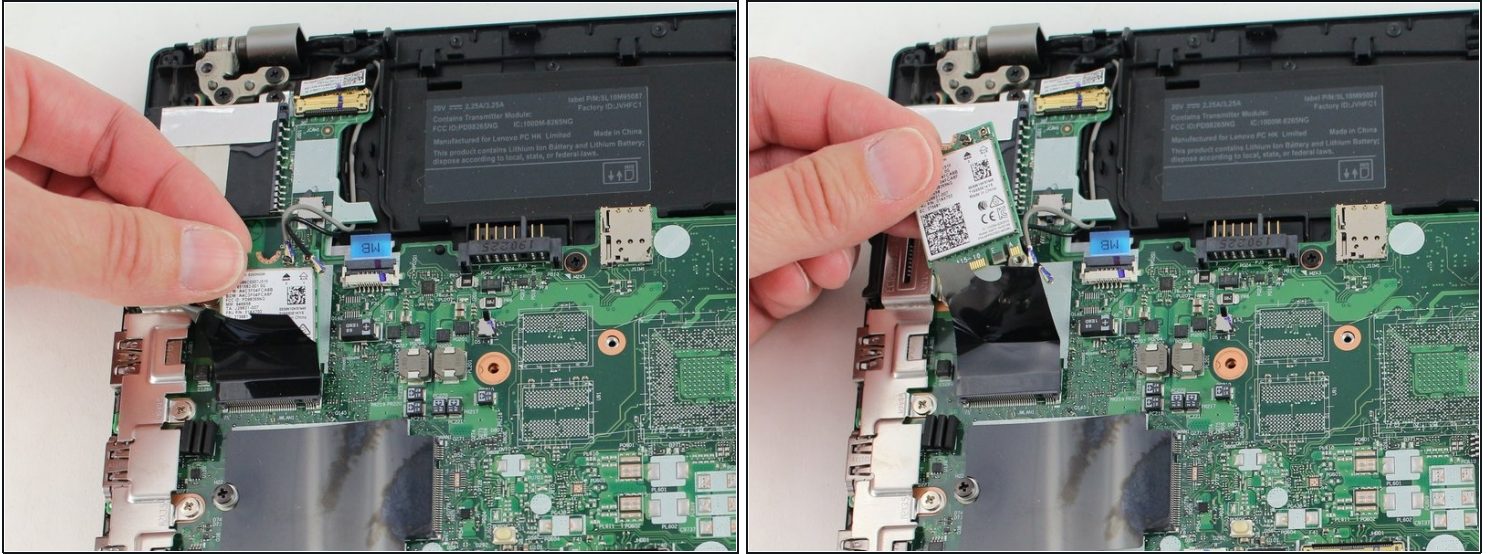
ⓘ For additional tips on disconnecting coaxial cables, check out the [Recognizing and Disconnecting Cable Connectors](#) guide.

⚠ When working with these connectors, always lift the head straight up. If pried on at an odd angle, you risk breaking the socket off of the board underneath.

- ☑ Use tweezers to hold the connector in place over its socket and gently press down with your finger or a spudger—the connector should "snap" into place. If you're having trouble, reposition the head and try again.

⚠ Don't try to force the connector into place or you may permanently damage it.

Step 10



- Slide the Wi-Fi card out from the slot to remove it from the board.

To reassemble your device, follow the above steps in reverse order.

Take your e-waste to an [R2 or e-Stewards certified recycler](#).

Repair didn't go as planned? Try some [basic troubleshooting](#), or ask our Answers community for help.