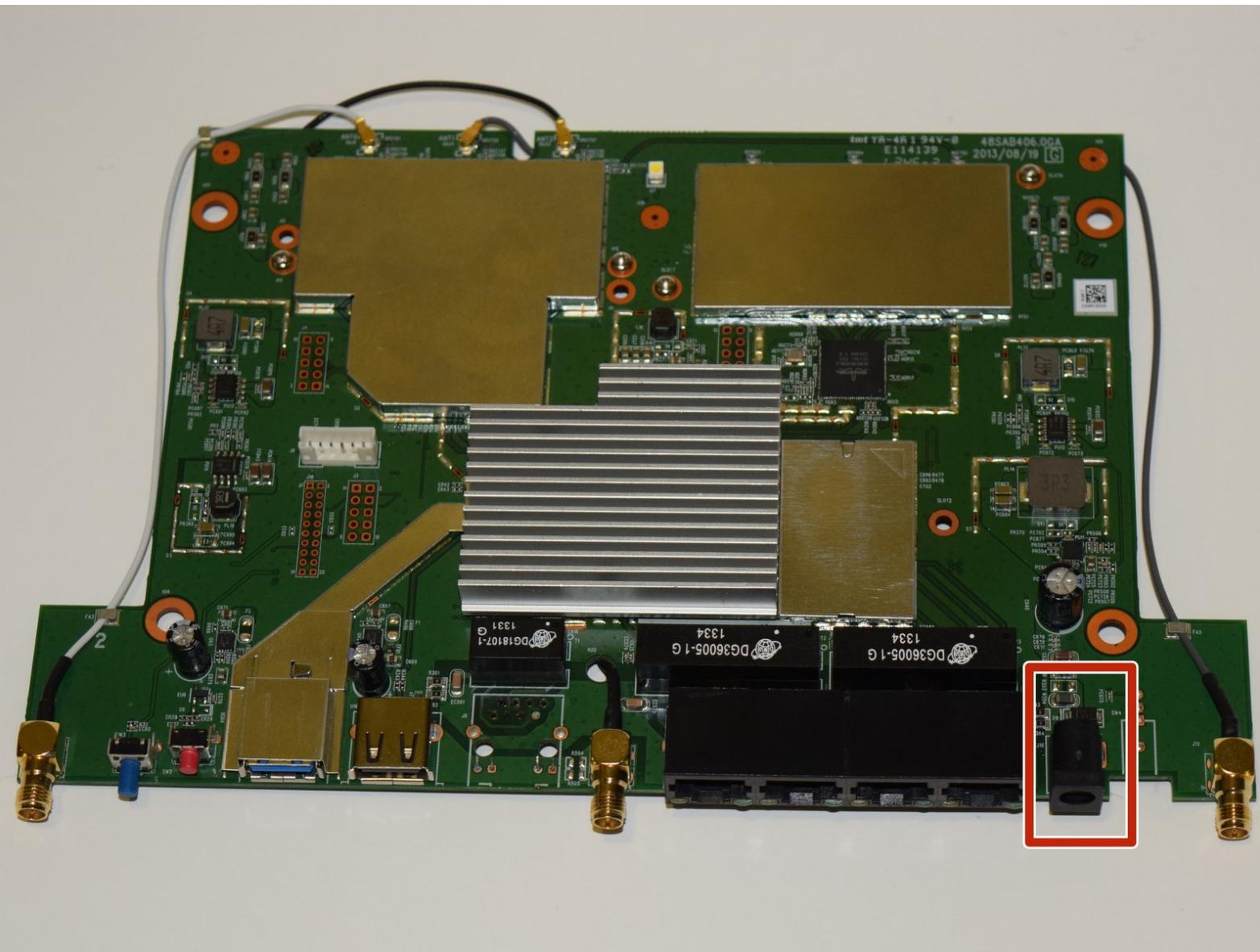




Linksys EA6900 Power Port Replacement

This guide will teach you how to remove and replace the power port directly on the motherboard.

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INTRODUCTION

Faulty power ports can result in loss of power to your device. This guide will show you how to identify and replace a dysfunctional power port on your router.

Make sure you are in a well ventilated area at room temperature with the proper safety equipment when soldering.

TOOLS:

- [Tweezers](#) (1)
- [Phillips #1 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Solder](#) (1)
- [Spudger](#) (1)
- [Soldering Iron](#) (1)

Step 1 — Linksys EA6900 Disassembly



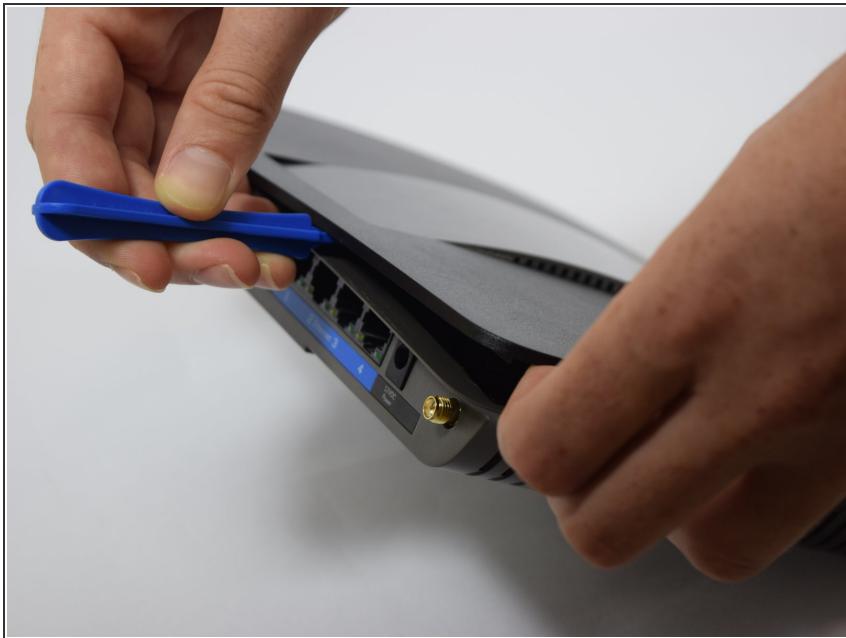
- Remove the antennas by unscrewing them from the base.
- Flip over the device and locate the four rubber feet on the bottom.
- Remove the rubber feet with tweezers

Step 2



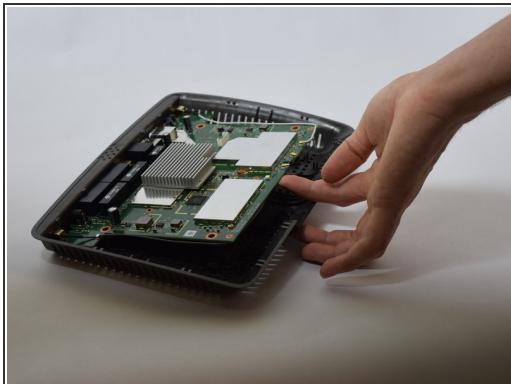
- Remove the 0.4cm head screws from each slot with the #1 Phillips head Screwdriver.

Step 3



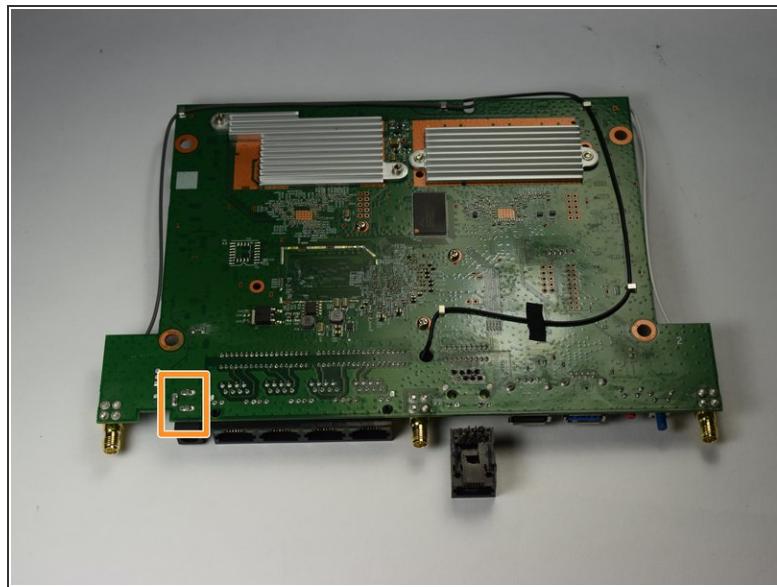
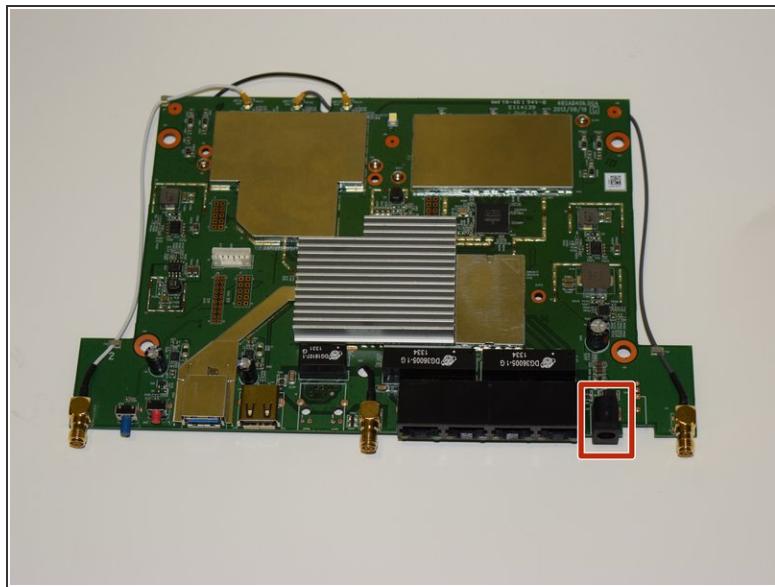
- Use a blue plastic opening tool to remove the top cover.
- Move the blue plastic opening tool gently underneath the top cover from side to side.

Step 4



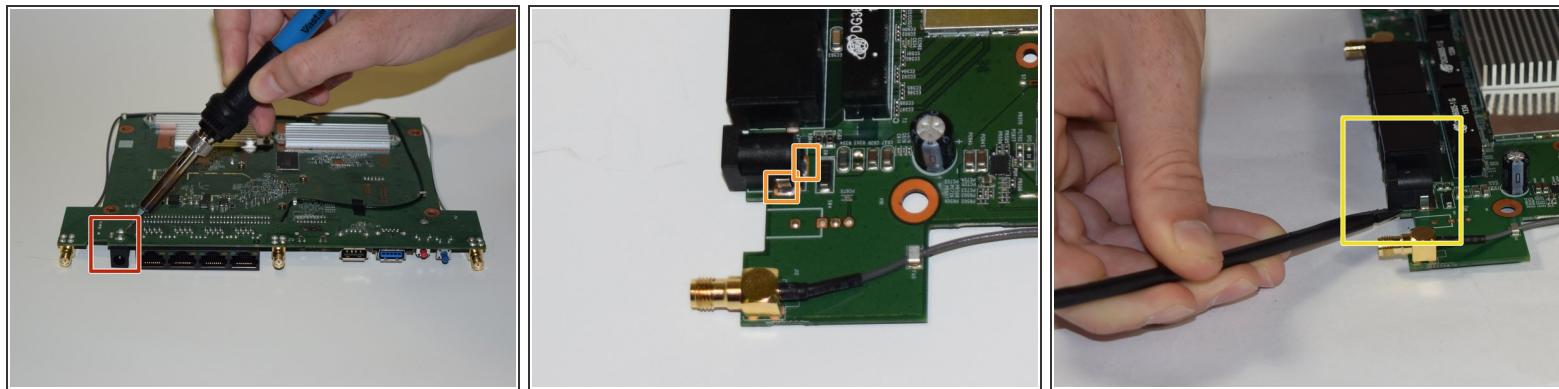
- Gently lift the motherboard and remove it from the case
- Put the motherboard over a (preferably white) surface.

Step 5 — Power Port



- Locate the power port on both sides of the motherboard.
 - The power port on the top side is in a rectangular black casing.
 - Identify the three prongs where the power port is soldered to on the reverse side.

Step 6



- Carefully apply the soldering iron on each of the three points on the bottom side of the motherboard to melt them.
 Be careful to not touch the motherboard with the soldering iron, you can damage the circuits.
- After you have melted and removed the solder, flip the mother board around and identify the connecting points of the power port.
- Use a black spudger to gently separate the power port from the motherboard

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