



AVerMedia GL310 Teardown

A complete teardown of the AVerMedia GL310, known as the LGP Lite or the AVerCapture HD.

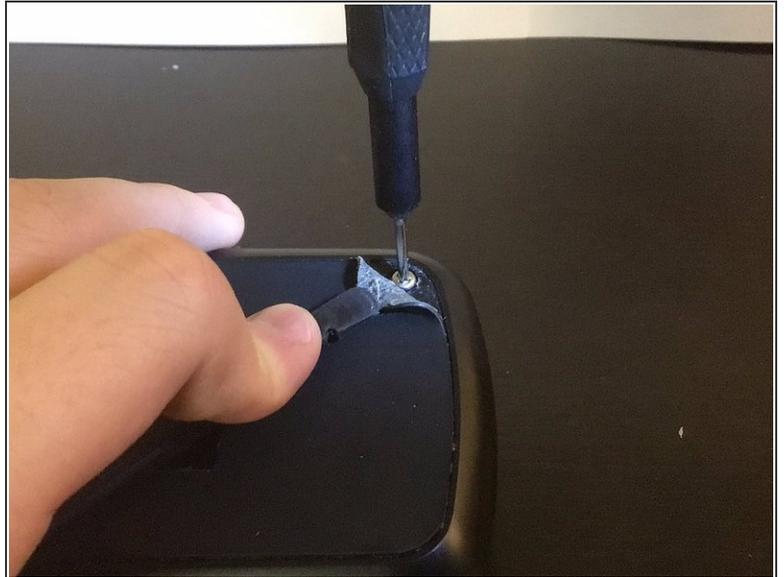
Written By: Marcus Jones



 **TOOLS:**

- [Spudger](#) (1)
 - [Phillips PH000 Screwdriver](#) (1)
-

Step 1 — Unscrewing Screws



- Use a spudger to lift the corners of the silicone membrane under the device.
- Unscrew the Phillips head screws using a PH000 screw bit.

Step 2 — Removing The Backplate



- Lift up the backplate.

Step 3 — Removing The Motherboard

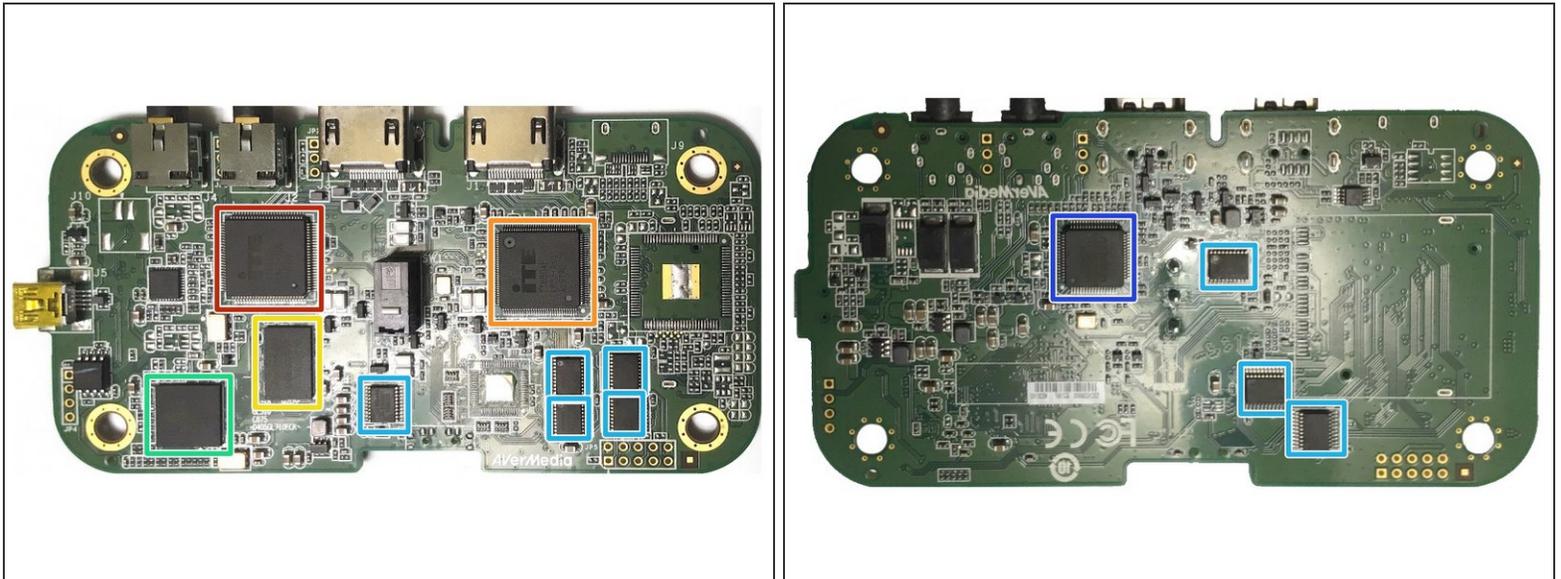


- Insert a plastic spudger into the highlighted notch in the motherboard.

⚠ Remember to use a plastic spudger or else you may short the solder joints near the notch.

- Pull the motherboard up using the spudger.
- Remove the motherboard, holding the corners.

Step 4 — Inspecting The Motherboard



- Here's a list of chips present on the motherboard:
 - ITE IT6613 HDMI transmitter
 - ITE IT6604 single-link HDMI 1.4 receiver
 - Nanya NT6DM16M32BC-T1 mobile 512mb DDR RAM chip clocked at 200MHz
 - Sigma Designs PL330B-CPE3 H.264 Encoder
 - ⓘ This seems to be the same chip found on the [C875](#) model of the device
 - Texas Instruments LVC244A octal buffer/ driver
 - Nuvoton NUC100RD2BN RISC ARM microcontroller clocked at 50MHz