



# Nokia N95 Teardown

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## INTRODUCTION

Overview of the Nokia N95 hardware with circuit diagrams and labeled chips. See [www.phoneWreck.com](http://www.phoneWreck.com) for more [detailed information](#) on the Nokia N95 and other devices.

Nokia produced [this disassembly guide](#), which you can also use to help disassemble your phone.

### TOOLS:

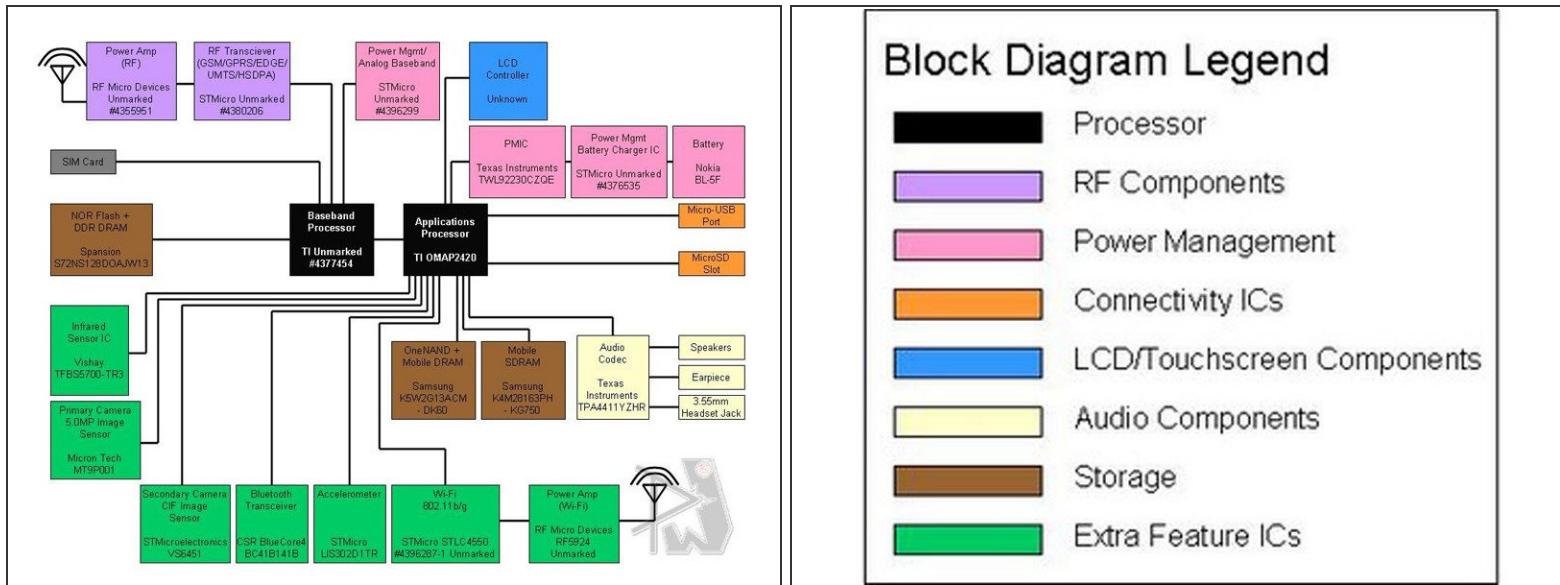
- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)
- [64 Bit Driver Kit](#) (1)

## Step 1 — Nokia N95 Teardown



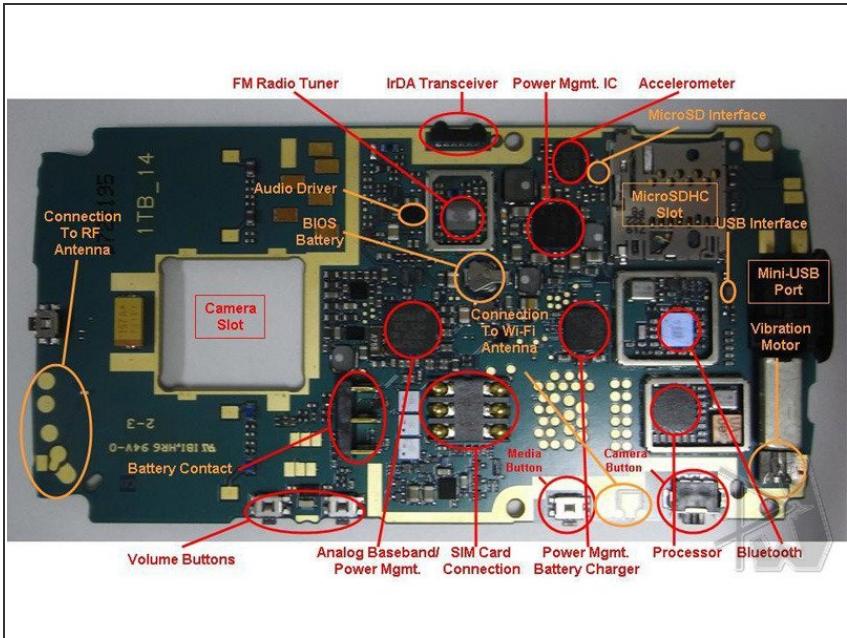
- ⓘ It should be noted that this model is the N95-1 with the expandable MicroSD card storage.
- The N95 was a tough one to crack open since there were more mechanical parts than a traditional smartphone, with dual-sliding modes. This one was totally worth it though, as we were treated to a bevy of ICs, resistors, and the whole lot of circuitry.

## Step 2



- ⓘ It's got three different memory units, one Spansion and two Samsungs, which we've made logical guesses as to which processor they served.
- It runs an unmarked TI baseband processor and a TI OMAP2420 apps processor.
- The dual processor makes for relatively complex circuitry, but the performance capabilities of the N95 really demonstrate the prowess of having an extra applications processor to do the dirty work.

## Step 3



- The back of the main PCB is shown below. The primary IC diagram can be found [here](#).
- The interesting thing about the N95 is that since the screen is on a separate mount, both sides of the PCB can be used. This, however, does cause the device to be a little bulkier than its candybar-form-factored friends.

## Step 4



- Finally, the camera module. This 5.0MP camera, with the image sensor developed by Micron Technologies, was the leading cameraphone back in the day, and its beastly size definitely attests to that.
- For a full bill of materials and even more pictures, visit the [Nokia N95](#) wiki page.