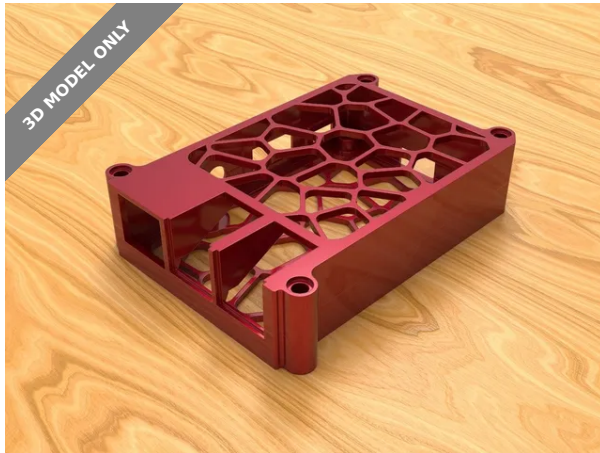




Raspberry Pi 3B+ Case



RESTLESS DESIGN

[VIEW IN BROWSER](#)

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Summary

I've designed multiple voronoi enclosures for the Raspberry Pi 3 B+ that provide passive cooling capabilities.

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Update 2: I've added multiple versions with slots for the camera cable and display cable. This means that now all possible usage combinations for GPIO, display and camera can be used. The .STL files indicate what slots are present in that design.

Update: I added a second version of the top part of this case, which has a cut-out for those who want to use the GPIO pins. The .STL file is included with the thing files. There's also an extra image that shows the cut-out with the official 3B+ technical drawing as an overlay, on which I based the location of the cut-out.

This design is based on 0110-M-P's design: <https://www.thingiverse.com/thing:922740>

There are several changes in this model (compared to the original design):

- Voronoi pattern cutouts in the top and bottom piece, allowing the chips on the Raspberry Pi to radiate their heat.
- Removal of the mounting holes on the bottom part of the enclosure.
- Thicker mounting standoffs for increased strength and durability.
- Hexagonal cutouts on the bottom part of the enclosure, which allows you to close the case with M3 nuts and bolts. The Raspberry Pi can be mounted using M2.5 nuts and bolts.
- Increased hole diameter, which means you no longer need to tap the plastic. However, this also means that you have to use nuts to close the case and mount the Raspberry Pi

The fourth image shows exactly what hardware you need to mount the Raspberry Pi and to close the case.

Support

If you'd like to support me for the 3D models I distribute for free, you can use my AliExpress affiliate link: https://s.click.aliexpress.com/e/_oFT8Gq6

Whenever you buy something through this link, I get a small kickback without costs for you ;)

Thanks for your support!

This remix is based on

Raspberr
Pi 3 (B/
B+), Pi
3 B+ and
Raspberry Pi 3 (B/B+), Pi 2 B, and Pi 1 B+ case with VESA mounts and more
by 0110-M-P

Model files



rpi3-top-voronoi-display.stl



rpi3-top-voronoi-gpio.stl



rpi3-top-voronoi-camera.stl



rpi3-top-voronoi-gpio-camera.stl



rpi3-bottom-voronoi.stl



rpi3-top-voronoi-camera-display.stl



rpi3-top-voronoi-gpio-camera-display.stl



rpi3-top-voronoi-gpio-display.stl



rpi3-top-voronoi.stl

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