



## Raspberry Pi 4 and any SSD vertical stand (parametric)



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### Summary

Parametric vertical stand for Raspberry Pi 4 in Armadillo case and any SSD.

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Parametric vertical stand for Raspberry Pi 4 sporting an armadillo case, and any SSD.

Includes models for:

- any standard 2.5" SSD (70x7mm)
- Samsung T7 Touch USB SSD

Adjustable parameters:

- distance between Pi and SSD
- height of supporting corners
- thickness of base, walls, corners
- dimensions of Pi and SSD

Made this one as in my previous setup my Pi and Samsung SSD were both overheating - now running at 46C pi and 30C ssd (25C ambient)!

Can be adjusted to fit any SBC in any case and any SSD - just adjust OpenSCAD values.

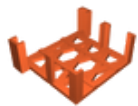
(Note: OpenSCAD model requires BOSL2 library - just drop it in the same directory)

UPDATE 2023/12: now includes additional raiser bars for better ventilation from below, includes values and auto-centering for generic 2.5" SSDs.

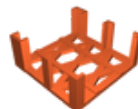
## Model files



**pi\_ssd\_vertical.scad**



**pi\_ssd\_vertical\_standard\_ssd.stl**



**pi\_ssd\_vertical\_samsung\_t7.stl**

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