



SFF Ryzen PC case

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Summary

An easy-to-print small form factor (SFF) PC case focused on Ryzen systems. Technically works with all mITX motherboards.



34.77 hrs



5 pcs



0.20 mm



0.40 mm



PLA



243 g



Creality
Ender-3

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Tags: [pc](#) [pccase](#) [sffpc](#) [sffcase](#)

This is a work in progress. More details to come...

*Ignore the print quality issues in the hexagon case photos, waiting on parts for my printer, will print again and update photos after that.

The top case is designed for the Gigabyte B550I Aorus Pro AX AM4 mITX motherboard with the stock AMD Stealth Wraith cooler that comes with the Ryzen 5600G.

PLA should be fine for most cases but could be disform because of the heat produced by the parts. If it becomes an issue or you aren't sure you can try PETG.

More info on the case can be found here (ads are displayed on the page):
<https://sffgeek.com/2022/02/12/building-an-amd-ryzen-5600g-3d-printed-2-4l-pc/>

Parts used

- **CPU** – AMD Ryzen 5600G
- **RAM** – Kingston 16GB Kit (2x8GB) DDR4 Fury Beast C17 3600MHz
- **Motherboard** – Gigabyte B550I Aorus Pro AX AM4 mITX
- **Storage** – Kingston NV1 1TB NVMe M.2 SSD
- **Power supply** – Streacom Nano 160 Watt
- **Power button** – Any 16mm button should fit, searching for **PC case 16mm button** should work.

Print settings*

- **Printer Brand:** Creality
- **Printer:** Ender 3
- **Rafts:** No
- **Supports:** No
- **Resolution:** 0.2
- **Infill:** 20% (higher infill if your motherboard has a built-in light strip and you don't want to see the individual LEDs)

*Imported via Thingiverse

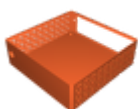
This remix is based on



Mini ITX Ryzen Case cbutters

by cbutters

Model files



case-v1-amd-logo-vents.stl



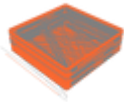
case-v2-hexagon-vents.stl



top-hat-v1.stl

☐ This top supports the Gigabyte B550I Aorus Pro AX AM4 mITX motherboard

Print files



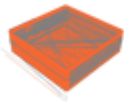
case-v1-amd-logo-vents-20-infill-ender-3v2.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 27.55 hrs ⚖️ 179 g



top-hat-v1-20-infill-ender-3v2.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 7.49 hrs ⚖️ 64 g



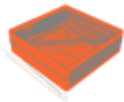
case-v2-hexagon-vents-20-infill-ender-3v2.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 27.28 hrs ⚖️ 179 g



top-hat-v1-100-infill-ender-3v2.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 11.58 hrs ⚖️ 95 g



case-v2-hexagon-vents-100-infill-ender-3v2.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 39.38 hrs ⚖️ 255 g

[Find source .stl files on Thingiverse.com](https://www.thingiverse.com)

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