

## Stylish BTT Octopus / Octopus Pro Fancase

[VIEW IN BROWSER](#)

updated 26. 11. 2024 | published 26. 11. 2024

## Summary

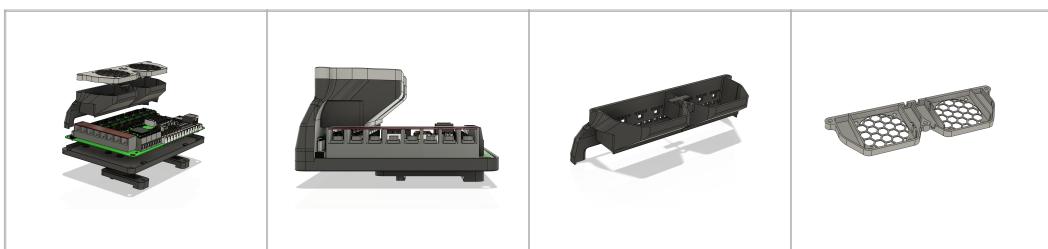
A DIN rail mountable fancase for your BTT Octopus / Octopus Pro to keep drivers cool ... and is just looking cool :-)

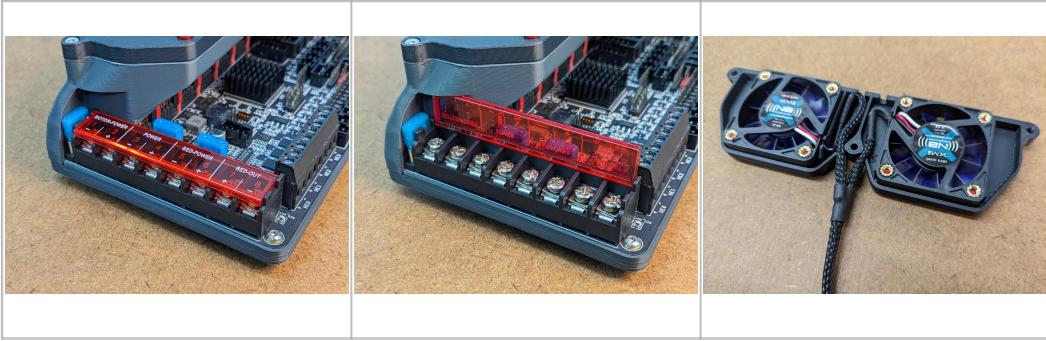
[3D Printers](#) > [Voron Parts & Upgrades](#)

Tags: [3d](#) [octopus](#) [case](#) [printer](#) [board](#) [fan](#) [cooling](#)  
[voron](#) [octopuspro](#)

This is a remix of the awesome looking [OctoGlasses](#) from Ramalamalama2 which fixes some issues in the original design.

## Design





There are the following changes:

- The terminal cover on the left side of the board is now fully accessible
- The fans are mounted in the correct orientation (at least for the ones that I have used the orientation would have been wrong in the original design)
- The cable management is changed accordingly and
- ... a Voron logo is placed on top
- The position of the mounting holes for the DIN bracket are changed in the bottom plate so that everything fits perfectly in my specific setup (so check if this works better for you or if you like you can also use the original bottom part which is still compatible!)

## BOM

Follow the original assembly and BOM provided by Ramalam2 and add

- 8 x M3 Heatset inserts
- 8 x M3+12mm **colorful** ☺ BHC Screws (10mm will also work)

## Choosing the Bottom Part

The original bottom plate will mount the board centered on the DIN rail. So if you want this, take it.

The modified version changes the mounting position so that it is pushed towards one side which fits much better in my setup. There are mounting holes for the bracket on either side of the bottom part so you can freely choose the orientation in which the Octopus is mounted to the DIN rail.



## Fan Preparation

This actually is the only (a little bit) tricky part:

- Add M3 heatset inserts into the fans on the side that is facing towards the steppers. This is doable **without** enlarging the hole with a drill bit (I tried it for one, and it worked but this process really does not feel good as you can easily break the fan's casing). Take your time, heat-set the insert and then after some seconds of the part cooling down, take a screw and clean up the hole by just screwing it in from the heatset side. There will be a lot of melted plastic, but it will easily be pushed out when inserting the screw.
- On the opposite side of the the fan, the diameter of the holes is way to large for M3 screws and there is some risk of breaking the top part when tightening the M3 screws in the later steps. For me inserting 3 x M3 Nylon washers in each hole worked perfectly and provides a flush surface. But check what works best with your fan and maybe just print something (or install the fans without but be careful when tightening)



## Printing and Assembly

Just print the parts with your default Voron parts print-settings and you should not need supports.

For assembly follow the instructions by Ramalama (and the pictures down below) and apply a bit of common sense.





## Attribution

Thanks goes to [Ramalama2](#) for the great design (and all the other awesome mods!) which I just “finished” to work for me. I will reupload the original bottom plate as well as the DIN brackets so that the model is complete and you will not run into problems finding the correct files. However, please check the [Voron 2 Mods](#) repository as there might be some updates and improvements.

## This remix is based on



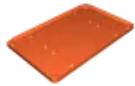
[Voron-2-Mods/Octopus\\_Pro\\_FanCase at main · Ramalama2/Voron-2-Mods](#)

## Model files

The image shows a digital interface for managing 3D printing model files. At the top, there is a folder icon labeled "Model Files" and a count of "3 files". Below this, two individual model files are listed with their names and small preview images:

- octopus-pro-fancase-top.stl**: Represented by a red component with a grid pattern.
- octopus-pro-fancase-middle.stl**: Represented by a red DIN bracket-like component.

**octopus-pro-fancase-bottom.stl**



**Original Files**

2 files



**stiffer\_dinmount\_m3\_insert.stl**

You will need two of those



**bottom\_mount.stl**

This is just an alternative with different mounting holes for the DIN Rail Bracket



**CAD**

3 files

**octopus-pro-fancase-top-v19.step**

**octopus-pro-fancase-middle-v2.step**

**octopus-pro-fancase-bottom-v8.step**

## License ©

This work is licensed under a  
[GNU](#)

[General Public License v3.0](#)

[GNU  
General  
Public  
License  
v3.0](#)

✖ | Sharing without ATTRIBUTION

- ✓ | Remix Culture allowed
- ✓ | Commercial Use
- ✓ | Meets Open Definition
- i** | Share under the same license