



## Waveshare 4.3\_and\_RPi4\_case



edbdii

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updated 15. 9. 2023 | published 15. 9. 2023

### Summary

I bought a Waveshare 4.3 display and case for mounting a R Pi 4 but needing to have a way to mount it, I made my own..

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I bought a Waveshare 4.3 display and case for mounting a R Pi 4 but needing to have a way to mount it, I made my own..

I didn't need the HDMI outputs, sound jack, or the gpio pins..... I made the case with access to the ethernet, usb A's and usb C only

I also made three versions:

30mm fan mounted inside the case

40mm Noctua A4 5v inside the case

40mm fan mounted on the outside (the complete fan cover is for covering up the Noctua Brown)

Hardware used:

4 standoffs for mounting the Rpi to the display(Standoff is 5mm with 2.5mm threads...male thread is 3mm long) used 2.5mm x 5mm long button top screw

4 standoffs for mounting the display/Rpi assem to the case(standoff is 25mm with 2.5mm threads...male thread is 3mm long) used 2.5mm x 8mm long flat head screw

I used M3 Heat Inserts on the mount and the 40mm fan for the outside fan mount

**in-sail brand M3x4.0mm (they are a little smaller then the Voron style)**

NOTE: I haven't tried the machine mount yet...It should mount up on 3060 profile

As always, I included the Fusion360 files so you can make changes to fit your application

EDIT: Added the Ratrig V-Minion mount files and pics

## Model files

 **40mm fan inside** 10 files

 **waveshare\_4-3\_rpi4\_case\_fan\_40\_inside-v4.3mf**

 **waveshare\_4-3\_rpi4\_case\_fan\_40\_inside-v4.f3d**

 **wave\_bracket-v2.3mf**

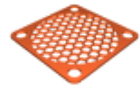
 **wave\_bracket-v2.f3d**



**waveshare\_4-3\_rpi4\_case\_lid-v3.3mf**



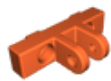
**waveshare\_4-3\_rpi4\_case\_lid-v3.f3d**



**noctua\_a4\_grill-v1.3mf**



**noctua\_a4\_grill-v1.f3d**



**wave\_machine\_mount-v1.3mf**



**wave\_machine\_mount-v1.f3d**



**40mm fan outside**

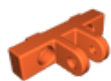
10 files



**wave\_bracket-v2.3mf**



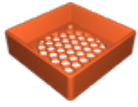
**noctua\_nf-a4x10\_complete\_cover\_grill-v1.f3d**



**wave\_machine\_mount-v1.3mf**



**wave\_machine\_mount-v1.f3d**



**noctua\_nf-a4x10\_complete\_cover\_grill-v1.3mf**



**wave\_bracket-v2.f3d**



**waveshare\_4-3\_rpi4\_case\_lid-v3.3mf**



**waveshare\_4-3\_rpi4\_case\_fan\_40-v5.3mf**



**waveshare\_4-3\_rpi4\_case\_fan\_40-v5.f3d**



**waveshare\_4-3\_rpi4\_case\_lid-v3.f3d**

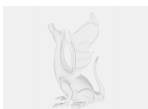


**30mm inside**

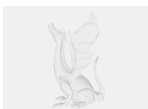
10 files



**waveshare\_4-3\_rpi4\_case\_lid-v3.f3d**



**wave\_machine\_mount-v1.f3d**



**wave\_bracket-v2.f3d**



**wave\_bracket-v2.3mf**



**30mm\_fan\_grill-v1.f3d**



**30mm\_fan\_grill-v1.3mf**



**wave\_machine\_mount-v1.3mf**



**waveshare\_4-3\_rpi4\_case\_fan\_only-v5.f3d**



**waveshare\_4-3\_rpi4\_case\_fan\_only-v5.3mf**



**waveshare\_4-3\_rpi4\_case\_lid-v3.3mf**



**waveshare\_4-3\_v-minion\_mount-v1.3mf**



**waveshare\_4-3\_v-minion\_mount-v1.f3d**

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