



Motherboard Fan Mount Mk2 Collection - Creality K1 Series



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Summary

Fan mounts for easier and faster maintenance operations. No extra hardware needed. Step files - OrcaSlicer 3mf



0.51 hrs



1 pcs



0.20 mm



0.40 mm



PLA



17 g



Creality K1

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I designed those for two reasons. First, it's a pain to handle the bottom panel with the fan cable still attached to the motherboard.

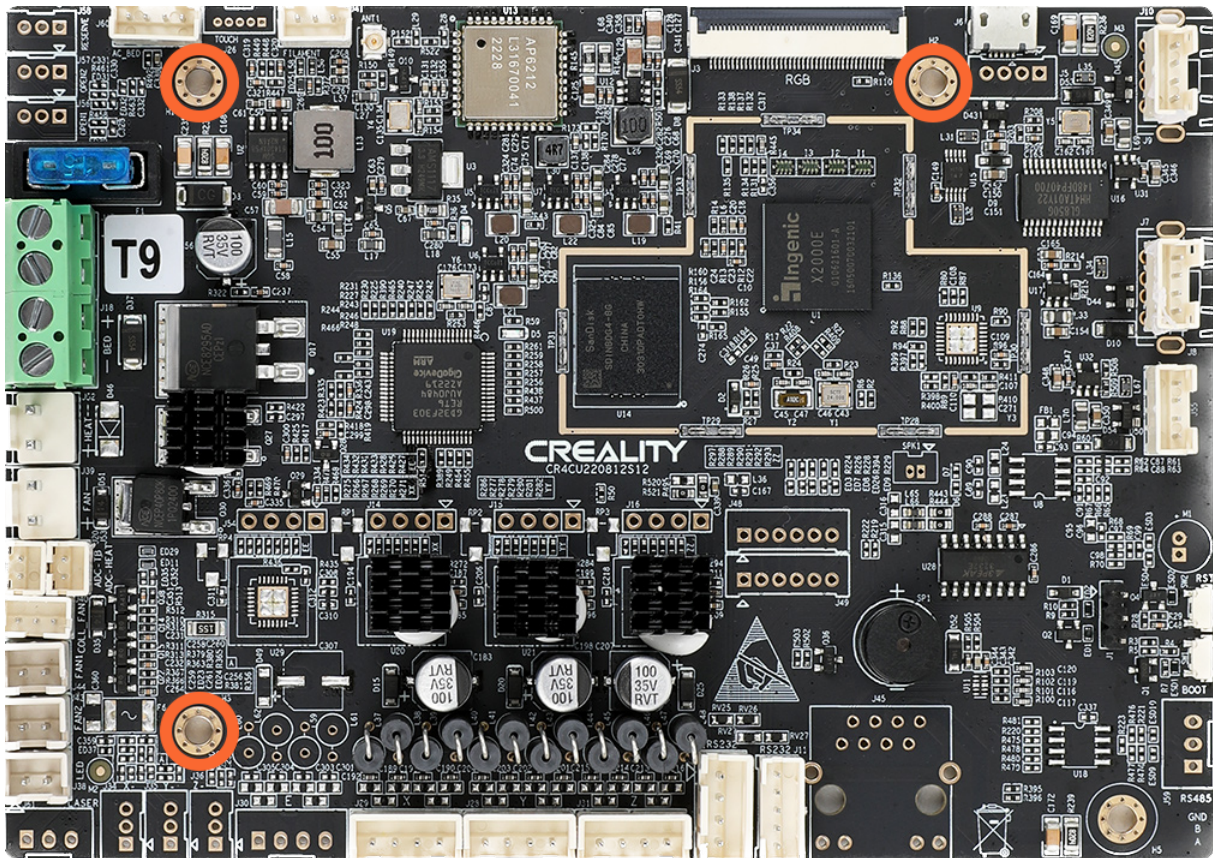
And second, when printing ABS, I was astonished to feel how hot the frame was. And I didn't like the idea that all the electronics was surrounded by a radiator and had only two little holes to cold down.

So I removed the bottom panel completely 😊

But if you want to use this fan mount and still use the bottom panel no worries. There is still enough clearance to attach it. However the fan and the panel hole will not be perfectly aligned but that should not cause any issues for the airflow.

How to install

1. Remove the bottom panel and unscrew the fan.
2. Remove those 3 screws from the motherboard.



3. Next, the fan have to be snap in to the mount.
4. Finally, secure the mount onto the motherboard :

K1 - Use 3 screws (M3x18) that were holding the fan previously.

Optional : If you are obsessed like me by symmetric design 😊, you can insert a fourth screw inside the remaining hole. M3 screws from 4 to 10mm will fit.

K1 Max - Use the 3 screws (M3x6) you removed earlier from the motherboard

Recommended Print Settings :

- Nozzle : 0.4
- Layer height : 0.2
- Perimeters : 3
- Top/Bottom layer : 4
- Infill : 20%
- No Supports

Change log :

25 August 2023 - MK2 Release

Issues fixed/improvements :

- New snap-in locking mechanism for securing the fan into the mount. Therefore, the K1 Max is now fully “no extra hardware” compatible with this mod.
- Added space inside the mount for the fan cable
- Screws tolerance adjusted.
- Fan mount height has been reduced.

Added features :

- Hexagonal pattern fan grill versions added
- Add a OrcaSlicer 3mf file.

31 July 2023 - First Release (MK1)

♥ Enjoy this model? Your support means the world to me! If you love what I do, remember to like and rate the model. You can also follow me to get the latest updates.

If you wish to further help me to fuel future projects, consider [buying me a coffee](#), I'm literally running on those! Every cup counts and is immensely valued. ☕ Cheers!

Related Model



Foot Upgrade - Creality K1 Series

It is a perfect combination with this model, especially if



you want to use your printer without the bottom panel.

Build plate models - Creality K1 & Ender Series


Build plate models for PrusaSlicer, SuperSlicer OrcaSlicer For K1 (Max), Ender 3 V2 Neo, Ender S1 (Pro/Plus), Ender 5 S1




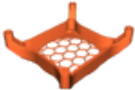
Seal for the gap between the screen and the door - Creality K1

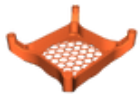
This helps to reduce a bit noises and heat losses when printing with high temp filaments.

Model files

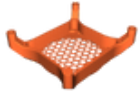
 **STLs** 8 files

 **k1-motherboard-fan-mount-mk2_nogrill.stl**

 **k1-motherboard-fan-mount-mk2_hex-sparse-grill.stl**



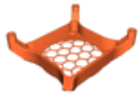
k1-motherboard-fan-mount-mk2_hex-medium-grill.stl



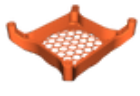
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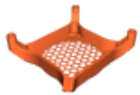
k1max-motherboard-fan-mount-mk2_nogrill.stl



k1max-motherboard-fan-mount-mk2_hex-sparse-grill.stl



k1max-motherboard-fan-mount-mk2_hex-medium-grill.stl



k1max-motherboard-fan-mount-mk2_hex-dense-grill.stl

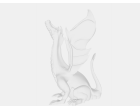


STEPS

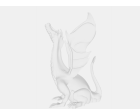
8 files



k1-motherboard-fan-mount-mk2_nogrill.step



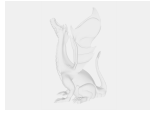
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k1-motherboard-fan-mount-mk2_hex-medium-grill.step



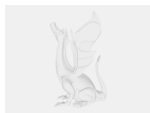
k1-motherboard-fan-mount-mk2_hex-dense-grill.step



k1max-motherboard-fan-mount-mk2_nogrill.step



k1max-motherboard-fan-mount-mk2_hex-sparse-grill.step



k1max-motherboard-fan-mount-mk2_hex-medium-grill.step



k1max-motherboard-fan-mount-mk2_hex-dense-grill.step



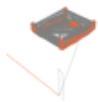
OrcaSlicer Project

1 file



k1-motherboard-fan-mount-mk2_orcaslicer.3mf

Print files



k1-motherboard-fan-mount-mk2_nogrill_pla.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 0.51 hrs ⚖️ 17 g

📄 FOR_TIME_ESTIMATE_ONLY

Other files

 Archives 1 file

 motherboard-fan-mount-creality-k1-series-mk1.zip

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