



Ikea lack desktop enclosure



aRGiRob

[VIEW IN BROWSER](#)

updated 7. 10. 2022 | published 7. 10. 2022

Summary

ikea lack tables desktop enclosure

[3D Printers](#) > [Accessories](#)

Tags: [enclosure](#) [ikealack](#)

This is my enclosure I made using two ikea lack tables, it can only hold an a8 anet printer, but maybe an a6 as well.

Compared to all the others I have seen on the various sites this one has the particularity of being built to be placed on a desk, of the two ikea lack tables in fact both use two tops and 5 legs, the others you can use them for other projects.

In the enclosure there is the anet a8 printer modified to have a more powerful power supply, two mosfets and a raspberry pi connected via usb to the printer.

I also added a socket and a switch to turn the printer off and on without having to unplug the cable from the wall socket and a led strip to illuminate the interior. The LEDs can be off or on when the printer is on. The display has been moved in front of the printer. There is also a 120mm fan that I have recovered from a pc and which is positioned near to the power supply to which obviously I have removed the front casing and the original fan.

To fit the printer I had to extend the legs of the table, so I decided to exploit this problem to design supports that could both raise the legs and house other parts such as the anet motherboard and the raspberry. Therefore there are 8 supports for the legs that are each screwed on with 4 screws to the leg and with two screws (I also recommend gluing them once you have checked the operation) to the table tops.

The power supply, the switch and the socket are connected to each other by two aluminum pipes with a square section of 20mm and by a tube with a round section. There are also models for clamps for vertical square pipes to be screwed to the leg.

The power supply and the fan are supported by a fifth lack table leg which is fixed horizontally with two special supports. The fan and the switch for the LEDs have been mounted on the same part to be printed. I also designed the parts to close the rear panel on the sides of the fan itself, the power supply is fixed both to the leg and to the top of the box through 4 supports to be printed.

There are still some parts that I will publish in the next few days along with some more beautiful photos (I hope) than the one you see above. For now, settle for 3d renderings.

In addition, the project is not finished yet, the side walls, a system to cover the electronics and to exhaust toxic fumes are missing.

Model files

ikea-lack-4-anet-a8-supports-anet-motherboard.stl



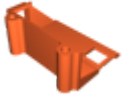
ikea-lack-4-anet-a8-supports-raspberry-pi.stl

ikea-lack-4-anet-a8-supports-power-switch-cover.stl





ikea-lack-4-anet-a8-supports-power-switch.stl



ikea-lack-4-anet-a8-supports-power-socket-cover.stl



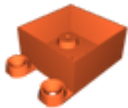
ikea-lack-4-anet-a8-supports-power-socket.stl



ikea-lack-4-anet-a8-supports-display-left-support.stl



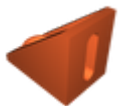
ikea-lack-4-anet-a8-supports-display.stl



ikea-lack-4-anet-a8-supports-horizontal-leg-support.stl



ikea-lack-4-anet-a8-supports-power-supply-pipe.stl



ikea-lack-4-anet-a8-supports-power-supply-support-l... .stl



ikea-lack-4-anet-a8-supports-rear-panel-cover-right.stl



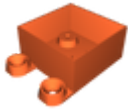
ikea-lack-4-anet-a8-supports-rear-panel-cover-left.stl



ikea-lack-4-anet-a8-supports-power-supply-support-t... .stl



ikea-lack-4-anet-a8-supports-120mm-fan-and-led-swit... .stl



ikea-lack-4-anet-a8-supports-horizontal-leg-support.stl

ikea-lack-4-anet-a8-supports-leg-extender-only.stl

License

This work is licensed under a
[Creative Commons \(4.0 International License\)](https://creativecommons.org/licenses/by/4.0/)



Attribution

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✓ | Commercial Use
- ✓ | Free Cultural Works
- ✓ | Meets Open Definition