



MICRO ATX COMPLETE PC BUILD HSW MOUNT

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Summary

Complete HSW mounted mATX build.

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I saw a nice ATX build for the HSW and wanted to build one for my self... But I ran into a few Issues. One the ATX mount was incredibly to big for my mATX board so I overhauled that and redesigned it to fit a my mATX board. After building the PSU mount I noticed I didnt like all the floppy cords so I designed a box to hold all the wires with cut outs for the PCIe cables and main 24pin cable. Then I forgot ill need a power button, so then I created a 16mm power button box that was HSW mountable as well. So now here we have all in one place a complete mATX computer build that can be mounted directly to an HSW I got away with 4 panels total. Every part file I used is included here in one place. Links to original files I worked off will be bellow.

Parts you will need:

-4 4mm heat inserts for the MCU

-4 3mm/4mm heat inserts for the power button box

Magnets for the power box lid but they have to be super strong (I ended up filling the holes by soldering in filament and using screws instead)

Various M3 and M4 bolts and nuts for the HSW mounts

You will need to print 14 single to m3 nut HSW mounts

File Links:

PSU mount - <https://www.printables.com/model/496748-atx-psu-mount-hsw>

Original ATX mount - <https://www.printables.com/model/496736-atx-motherboard-mount-hsw>

Gear I used for power button - <https://www.printables.com/model/548039-gear-fidget-spinner/files>

Amazon Links:

Power Button - https://www.amazon.com/dp/B0BMVQT9CD?psc=1&ref=ppx_yo2ov_dt_b_product_details

M3 Heat Inserts- https://www.amazon.com/gp/product/B0CDH36ZMX/ref=ppx_yo_dt_b_asin_title_o03_s00?ie=UTF8&psc=1

M4 Heat Inserts - https://www.amazon.com/dp/B0B63H7R16?ref=ppx_yo2ov_dt_b_product_details&th=1

Heat Insert tip for Soldering Iron - https://www.amazon.com/dp/B0C7D27KP7?psc=1&ref=ppx_yo2ov_dt_b_product_details

LED RGB Cable Covers - https://www.amazon.com/dp/B0C38TJF8C?psc=1&ref=ppx_yo2ov_dt_b_product_details

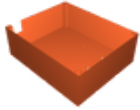
3 Pin to 4 pin PSU LED Controller - https://www.amazon.com/dp/B08ZKMZNCZ?psc=1&ref=ppx_yo2ov_dt_b_product_details

RGB PSU Fan - https://www.amazon.com/dp/B084Z3YZGZ?ref=ppx_yo2ov_dt_b_product_details&th=1

Model files



pc-button.3mf



psu-cable-box-bottom.stl



psu-cable-box-lid.stl



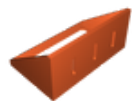
bottom-asrock-a320m-matx.stl



top-asrock-a320m-matx.stl



pc-top-and-bottom.3mf



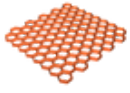
psu-2.stl



psu-1.stl



10_insert-with-m3_onetab.stl



wall-honeycomb-k1-211x201-1.stl

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