3 HDD NAS

Corax

VIEW IN BROWSER

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Summary

NAS for 3.5" HDDs

Gadgets > Computers

Tags: nas

I wanted to build a small, simple NAS but the available cases were all really expensive.

v1.2

In addition to the print, you will need to provide:

1 x 120mm fan (see below regarding power)

6 x M3 heat inserts (for ‘NAS_Screw')

6 x M3x8 screws

3 x HDDs (with cables, mounting screws, etc)

Power Supply(s)

I also used the boards from 3 Vantec NexStar TX Hard Drive Enclosures (NST-328S3-BK) and the mounting holes should align with these I/O boards perfectly.

There are a few ways to power the fan, depending on the setup. I purchased a 12v 5a PSU, as well as a 12v 120mm fan. I then used this PSU to run all 3 HDDs and the fan. I ended up adding an inline fan control as well.

If you decide to run a Pi (or similar device) in the top slot, the fan can be run off the GPIO or fan pins (if available).

v1.1

The front honeycomb was removed because it caused too much noise with the fan mounted. In addition, it added to complexity. I currently use a cheap 120mm magnetic mesh filter. They are pretty cheap, easy to clean and don't impact fan audio.

v 1.0

This was originally designed with a Raspberry Pi on the top rack. That's why the back plate is only cut for 2 HDD I/O's

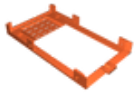
Model files

nas_rear.stl

nas_120mmfront.stl

nas_screw.stl

nas_outershell.stl



nas_tray.stl

nas_innershell.stl

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