

A-lot-of-HDD in a mini PC case



pakkun48

[VIEW IN BROWSER](#)

updated 25. 4. 2023 | published 25. 4. 2023

Summary

How to build a NAS in a mini-ITX case (Cooler Master Elite 110)

[Gadgets](#) > [Computers](#)

Tags: [case](#) [hdd](#) [harddisk](#) [harddrive](#) [pc](#) [coolermaster](#)
[miniitx](#) [nas](#) [modding](#) [harddiskdrive](#) [harddiskmount](#)
[miniitxcase](#) [hddcase](#) [freenas](#) [flexatx](#)

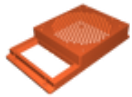
I designed these component to fit 5 HDD (3.25") and 1 SSD (2.5") into a Cooler Master Elite 110 that can fit only 2 HDD.

How do you need:

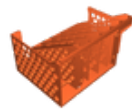
- 1 case CM Elite 110 (I'm not sure if this project is compatible with other cases)
- 1 mini-ITX motherboard (I used Gigabyte GA-J3455N-D3H)
- 1 small form factor PSU FlexATX (I used SilverStone SST-FX350-G)
- up to 5 3.25" hard disk drives
- 1 2.5" SSD for OS
- 1 90 mm fan (rear)
- 1 120/140 mm fan (front)
- 4 screw M4x35
- 4 nuts M4
- 1 PCI-E SATA adapter, if the MB haven't enough sata ports
- some sata and power cables

- an operative system for NAS like Freenas <https://www.truenas.com/freenas/>

Model files



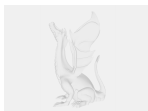
rear.stl



main.stl



rear.ipt



main.ipt

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