

# Short project explanation

Our goal is to create a multifunctional cabinet/box for the Khadas Vim family boards.

Our project are meant to be partisipating in 2 categories. DIY design category. The Modular design

Project site: [https://minibase.no/?page\\_id=2704](https://minibase.no/?page_id=2704)

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Our pre elemanary building plan

1. Create a user friendly cool cabinet/box, with possibly programable led light effects
2. Create easy access to the sd card reader
3. Create an info screen(oled) with some essentiell information(Memory use, cpu use, prosessor temp, and a realtime clock this is open for suggestions regarding info)
4. Extra usb port in front (power strong, capable of runing bigger disks,dvd/cd burners,printers to say it short “support power hungry equipment”)
5. If possible create self susteining nettaccess via 4g card, and also have built in powerbank.
6. Hopefully set up dual boot on eemc and use hard disk suport for storage, best speed solution.
7. Support for common power supply (seperate power input, freeing up usb c port.)
8. Frontal on off switch with controlled shutdown of os.
9. Easy access to the 3 function switches on the vim,

Hopefully to try to get all of this functiones to work with one single box. Also planed to do it in stages. Planing to develop one bye one and hopefully get all of this to work. If possible.

One of our goals is to remove from the prototype the issues where we have used glue and warm melted plastic parts in our project and we are striving to get this to a solution that this parts can be screwed together and be as easy to assamble as possible.

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