

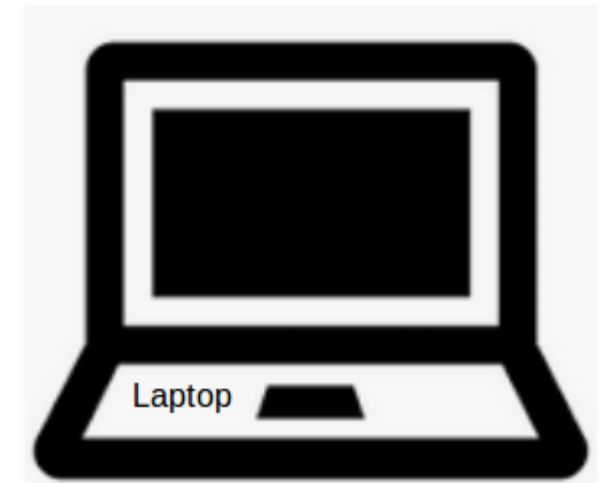
The D++devices under [hagpl](#)

D++devices are external devices used as intimal servers providing local assistance to our daily used devices by dedicating each D++device to one specific task/process, and then combining them, to solve some fundamental vulnerabilities, such as the [meltdown](#) and [spectre](#) proven to remove the independence of processes in a singular [device](#), a known weakness proven by attacks, such as of the [nsoGroup](#) and [facebook](#).

Among others, such D++devices can assist in privacy issues of [GDPR](#) as a Client Data Protaction (CDP) solution for (home/moving) workers in small to big organizations and for participants in the [hopeisback platform](#).

Here you can see:

- one D++device serving in intimacy another laptop or phone while having pair of orange-pi processors: the from-sim-router and the data-locker together with one removable powerbank.



This D++device has one sd card and 3-4 usb ports.

- Its media sd card, also as a communication medium, has
 - 1. the algo to run on the pi while using the following:
 - 1.1. locked management files for locking data from the original devices, where these management files can be unlocked only by using
 - 1.1.1 encrypted4device management files to be unlock only by specific pub key of that device while using the Diffie–Hellman Forward Secrecy protocol.
 - 1.2. The algo, as it is used in [qdolphin](#), cuts input files and lock each piece with contextual kdf2 kilobit key by the threefish in ctr mode algo, such that each piece is locked by unique strong key which is indexed in the management files according to arguments such as salt and those which are known to the user, such as the url of the file and its password and also with the landing urls with expiration time.
 - 1.3. events:
 - 1.3.1. When the sd is inserted, the device unlock the key and remove that key from the sd and
 - 1.3.2. the ram is cleared before when both: the sd is ejected and the original device are disconnected and hence the data on the sd is locked when it is not inserted.
 - 1.3.3. wehn new data is added and that is to processes in additional device (like laptop) for that device the additional data is encrypted.

Punch line: "Use your d++device to store your <loved> contacts and data!"

Combining a unit (as in "lego") into the case by connecting Usb and drawer rails (in slide socket set) lockable at a fixer for hard plugging first **between** processor (1) and router (2) and then both to battery (3) and then to the case.

Hence, the case (expandable on rails) allows switching from usb(7) between port(4) for buttry, port(5) for internet and port(6) for processing/**keyboard**, with another sd card on port (8) and headphones on port (9).

