



## The Ugly Hack







Linphone Encrypted voice caller



**Conversations Client for XMPP** federated messaging



Tusky Client for ActivityPub federated social networks



Thorium Client for ActivityPub federated video networks



K-9Mail+OpenKeychain OpenPGP encrypted email



**Tiny Tiny RSS News reader** 



Syncthing Decentralized file

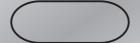


**NextCloud** Online office productivity and collaboration suite





KeePass DX Password manager





## **Hardware**

- Non-free\* designs and official manuals
- Chosen to minimize freedom hazards
- Some parts are unrepairable
- Removable battery

## Software

- Free system and apps
- Lack of free drivers and firmware for some hardware
- Graphics rendering is slow
- Non-free bootloader, but can run the systems you want
- Modem firmware:
- •• Non-free
- •• Cannot see main memory
- •• Cannot record audio when not in a call
- \* Free as in freedom



https://replicant.us/freedom -privacy-security-issues.php