# The Ugly Hack

**IceCatMobile**
Web browser

**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**
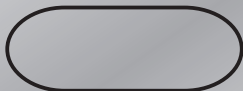Decentralized file
synchronization

**NextCloud**
Online office productivity
and collaboration suite

**OsmAnd**
Map navigator

**KeePass DX**
Password manager

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## 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