

freeterv

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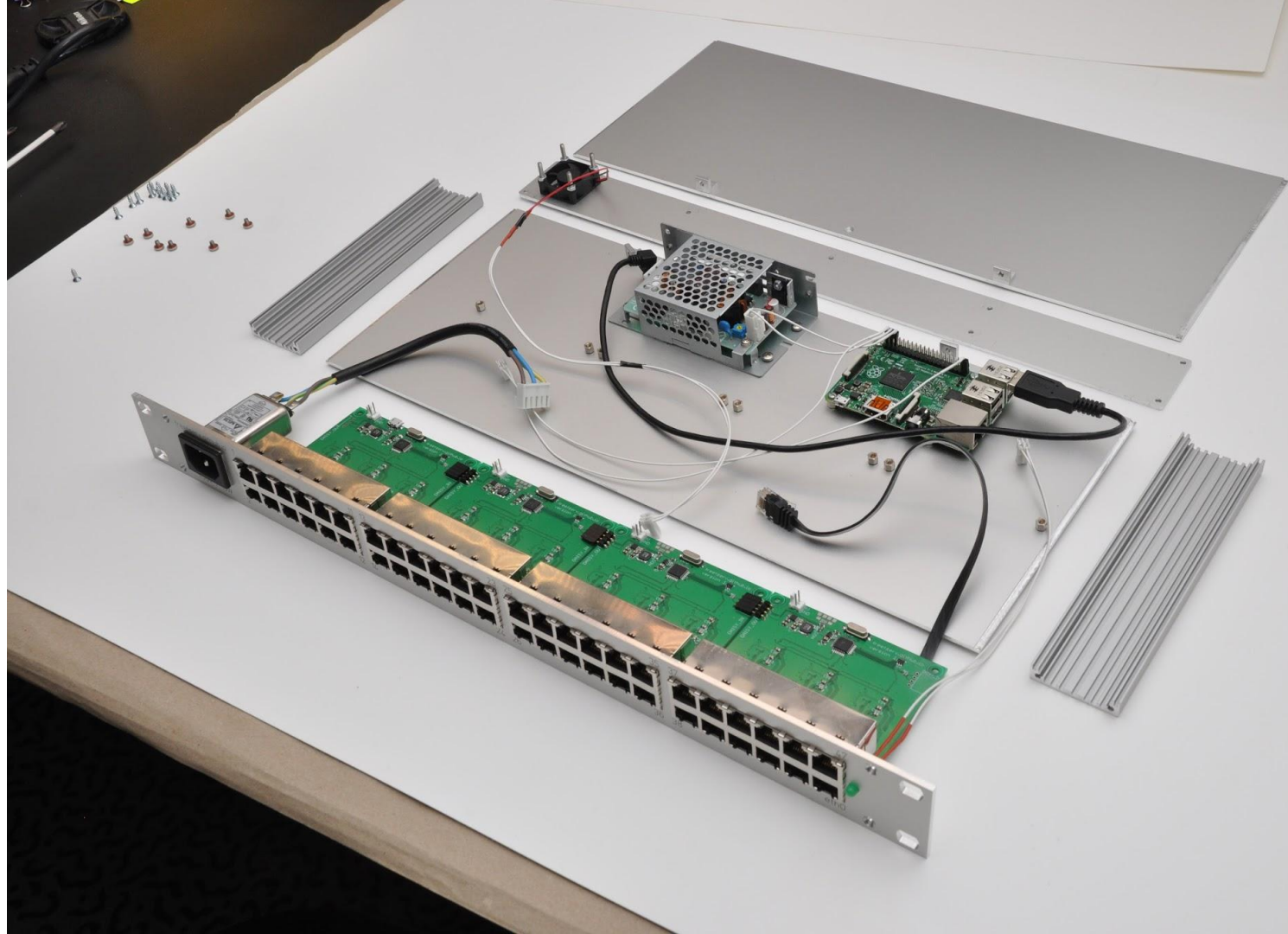
Motivation

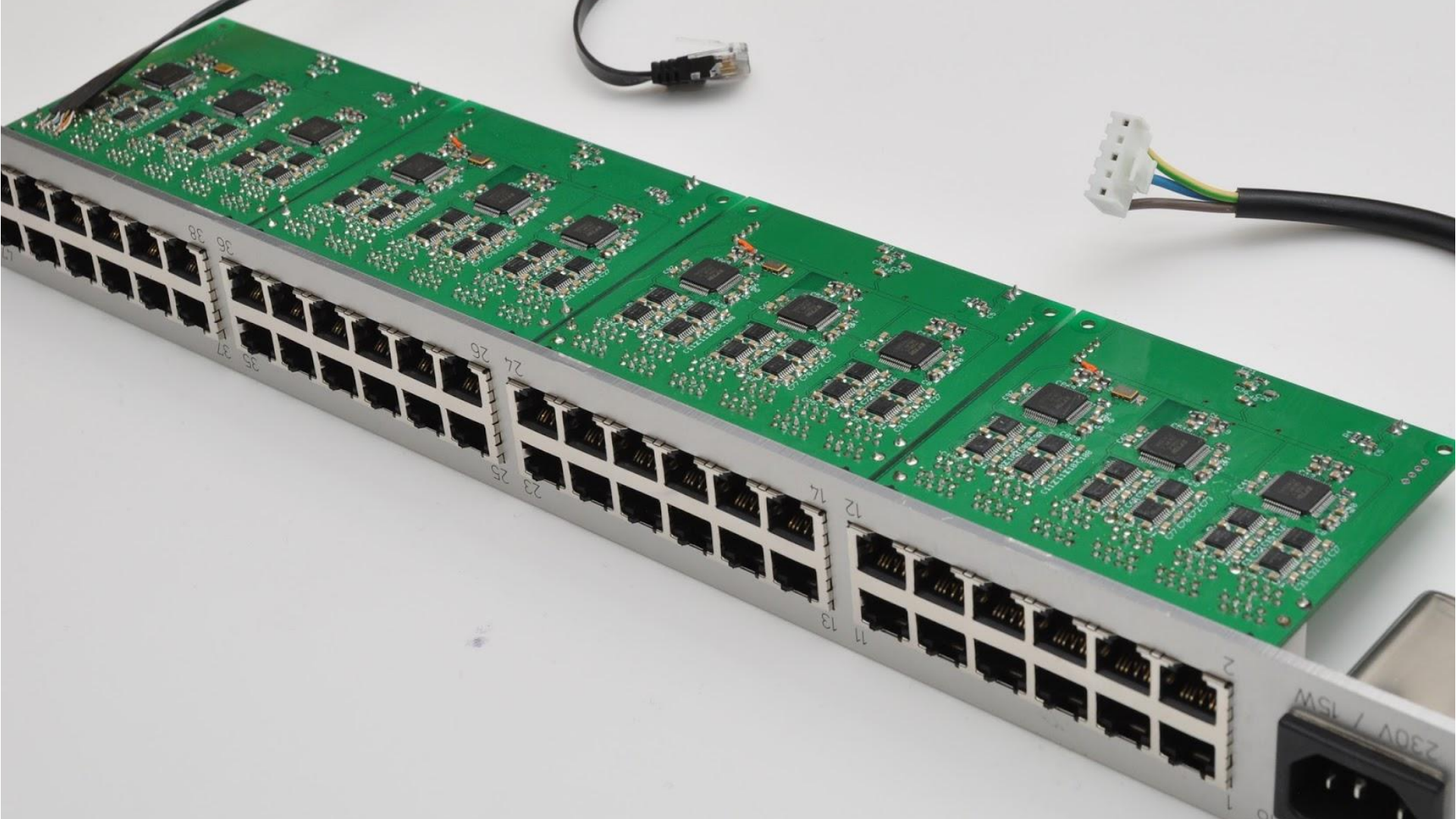
- our colo association rents a rack that's $\approx 2\text{h}$ away
- IPMI is nice, but unreliable (and a security issue)
- even when IPMI works, more safety nets are nice
- commercial serial terminal servers are
 - old, unmaintained, outdated, expensive

Idea

- build an open hardware terminal server
- base on Raspberry Pi
 - updates trivial (standard Debian)
 - broad community support







Software

- standard Debian + serial tools (minicom, cu, ...)
- custom udev rules (stable device order, owners)
- tool: e.g. “fts-port-owner 7 stapelberg”

The end

- <https://freeterv.github.io/>
 - schematics, board layout, case specs, ...
 - user/admin guide, assembly instructions
- please talk to me if you have questions!