

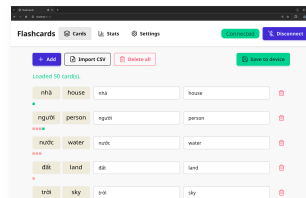
dedicated ESP-based ePaper Flashcard

core idea: using a dedicated hardware device has novelty value and less potential for distractions as compared to a smartphone

advantage of e-paper: *it costs nothing to permanently display something on the screen, e.g. a reminder to keep practicing*



prototype Sept 2026 based on [Waveshare dev board](#)



A companion website to edit the flashcards on the device works decently well (if only on Chrome due to lacking BLE support in other browsers)

TRAINER

- 5x Waveshare Board
- 25x SD
- 1-2 rotation thingie
- 2 small ESP32 (?) 18x23,5
- buttons, buttons, buttons
- # keypad?

shopping list for prototyping Sept 26

(many prototypes)

we can custom-build this (display + ESP + e-paper shield + battery shield + disposable vape LiPo + buttons + on/off toggle switch), but it is very hard to get a small & convenient overall form.

