

Smart Lock

top-down

Design Document

VIDEO

RFID

SAFE LOCK

BOX

GEN

BOX



OUTPUT

FA 16
54 CA



CARD



* * * *

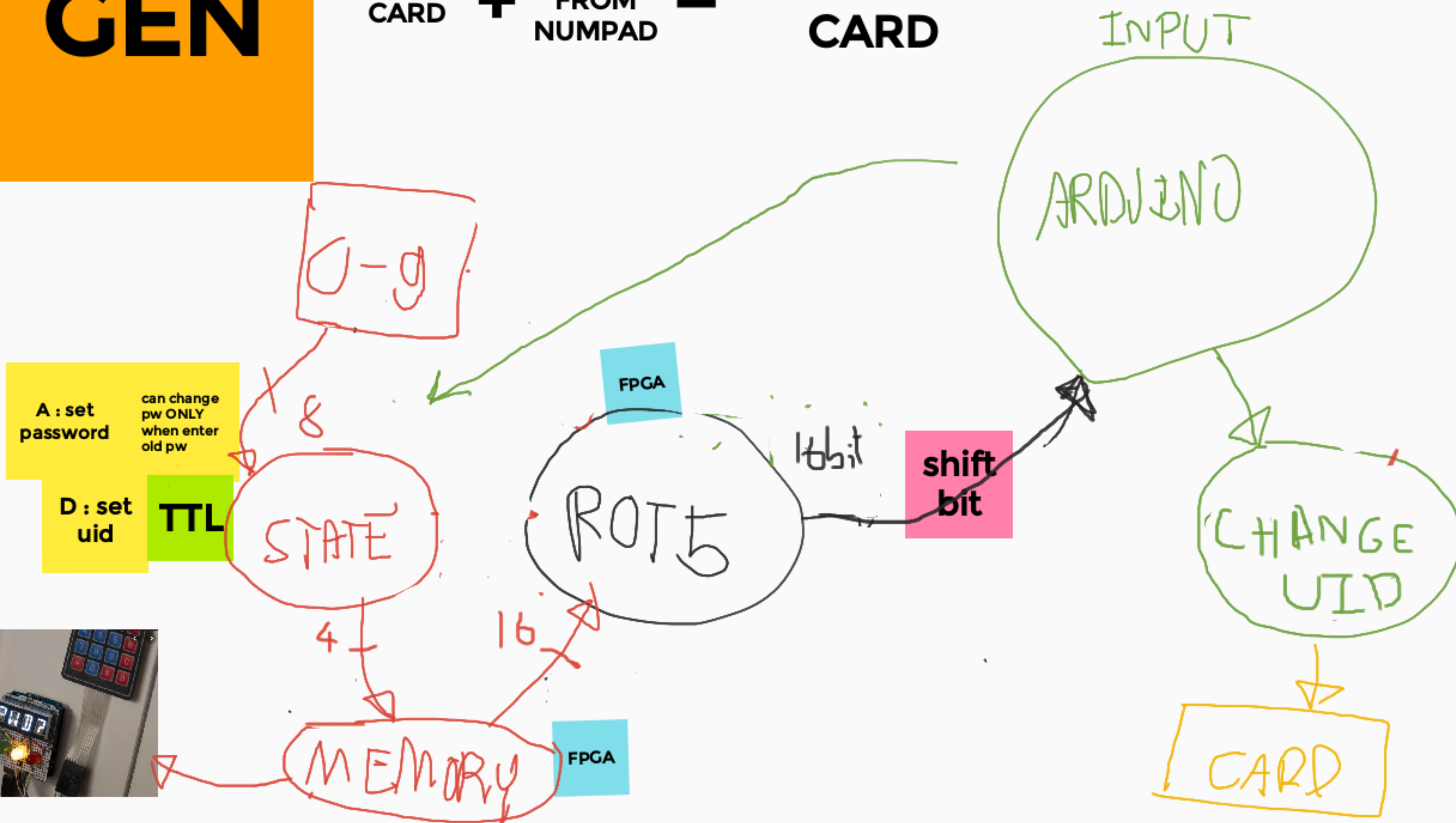
PIN



→ UnLock

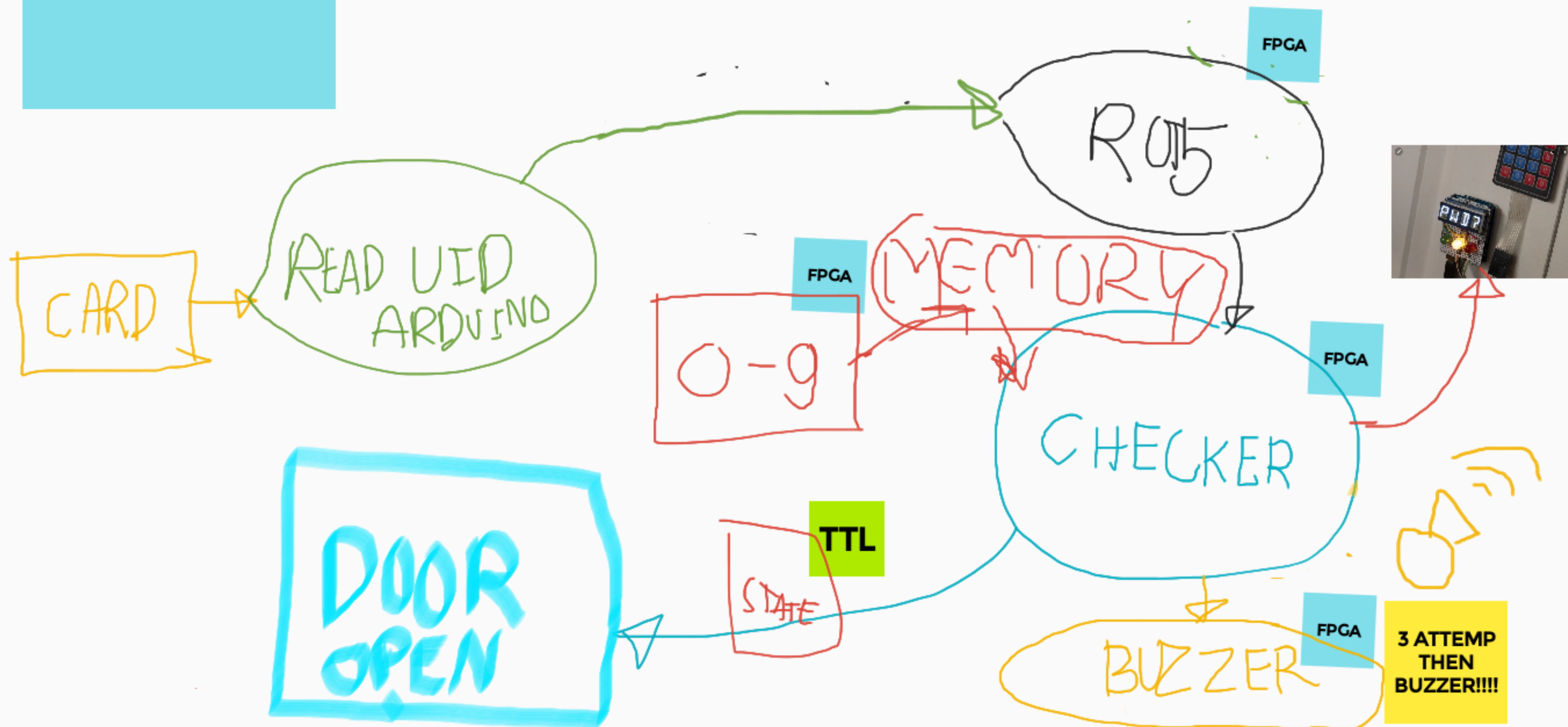
GEN

UNUSED CARD + 4 PIN FROM NUMPAD = ENCODED CARD



BOX

ENCODED CARD + 4 PIN FROM NUMPAD = UNLOCK !!



TOOLS

Arduino
x2

FPGA
x2

RFID
x2

RFID Card Reader/Detector Module Kit (RC522)
พร้อม Tag Card และ Tag พวงกุญแจ



16x2 LCD
(lcdp0144)



Numpad(4x4)
x2

Matrix Keypad 4x4 Arduino



14-Segment

14-Segment Display Module 0.56" LED 12C
driver HT16K33 สีส้มแดง



Brochure