

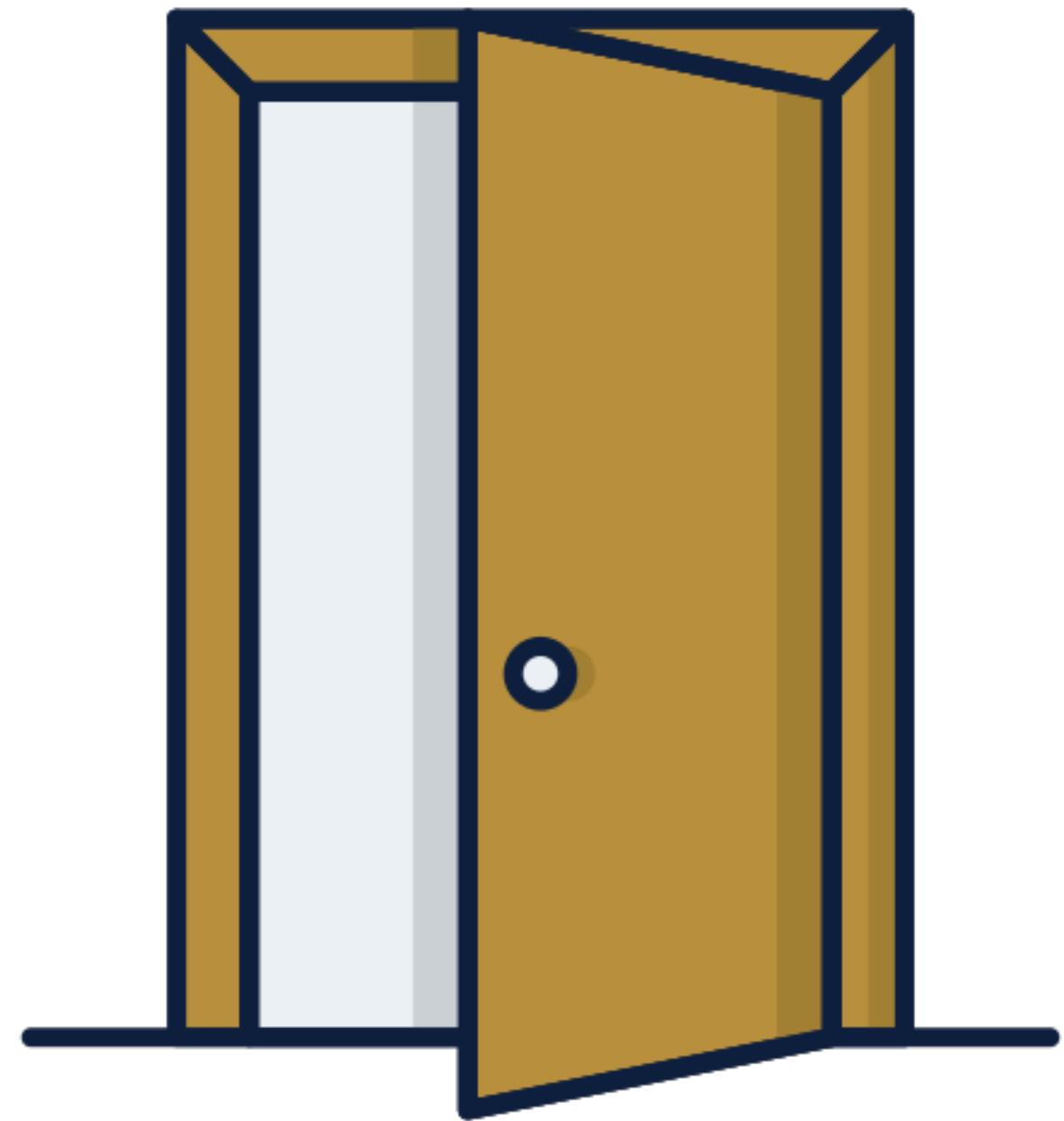
# **Miniforedrag, motivasjon og forventningsstyring**

# WARNING

This talk features hacks performed by and under the supervision of professionals for educational purposes only. CoWork must insist that no one attempt to recreate or re-enact any of these hacks or activities. We did not hurt any waterfowls making this talk.



**Lar du døra til huset ditt  
stå på vidt gap når du  
går på butikken?**

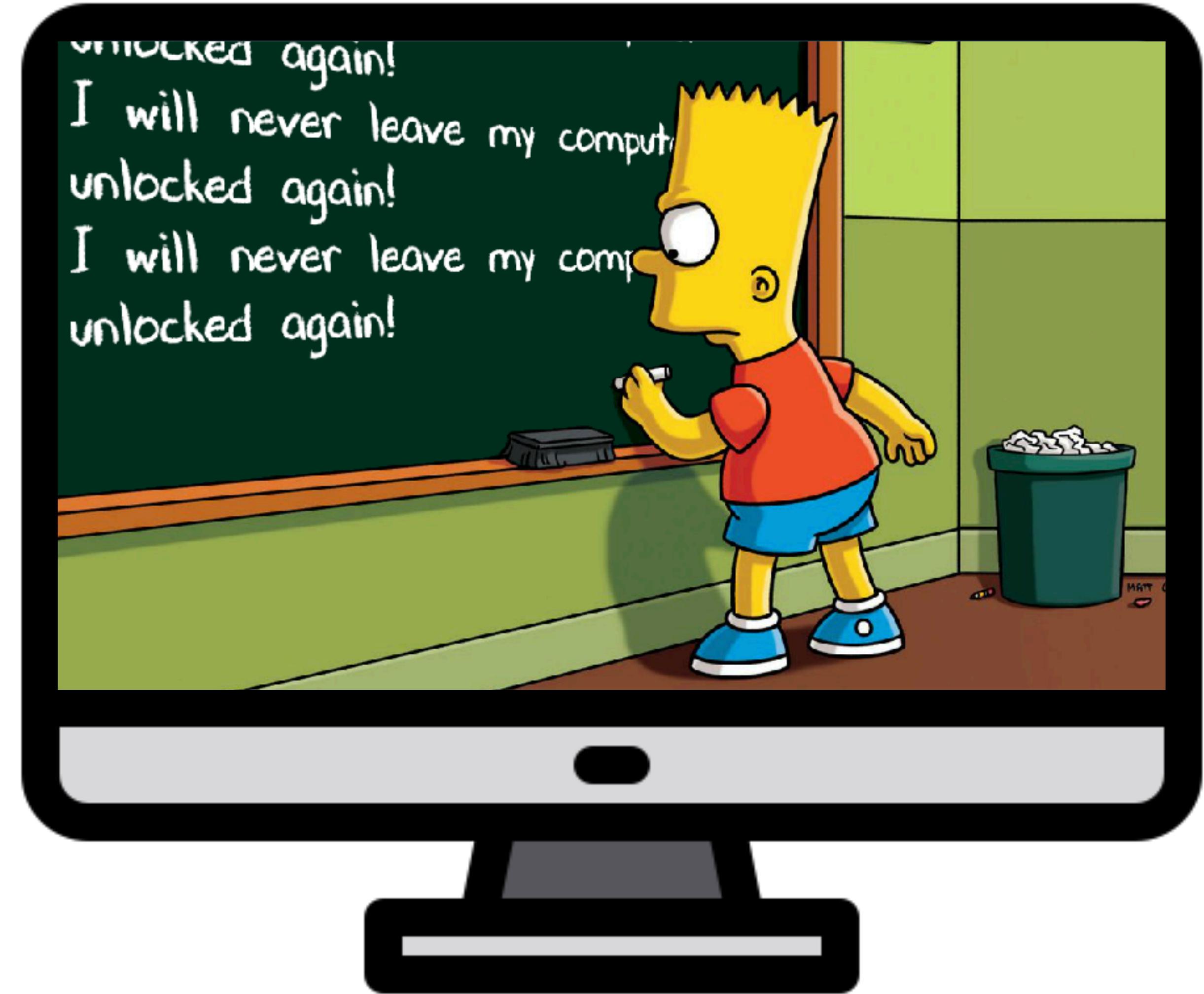


Men låser du  
datamaskinen din  
når du henter kaffe?





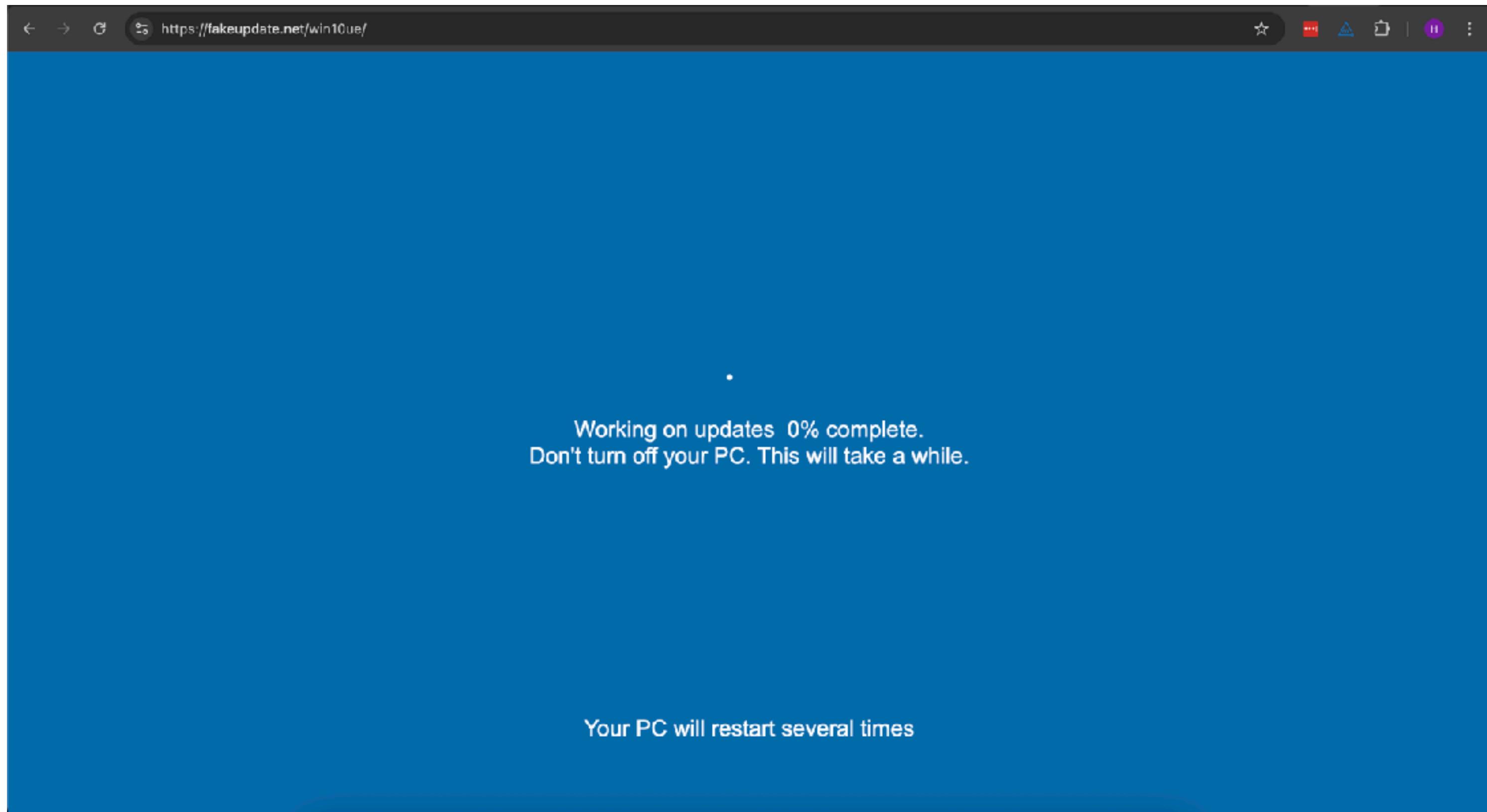




It's only a prank bro!

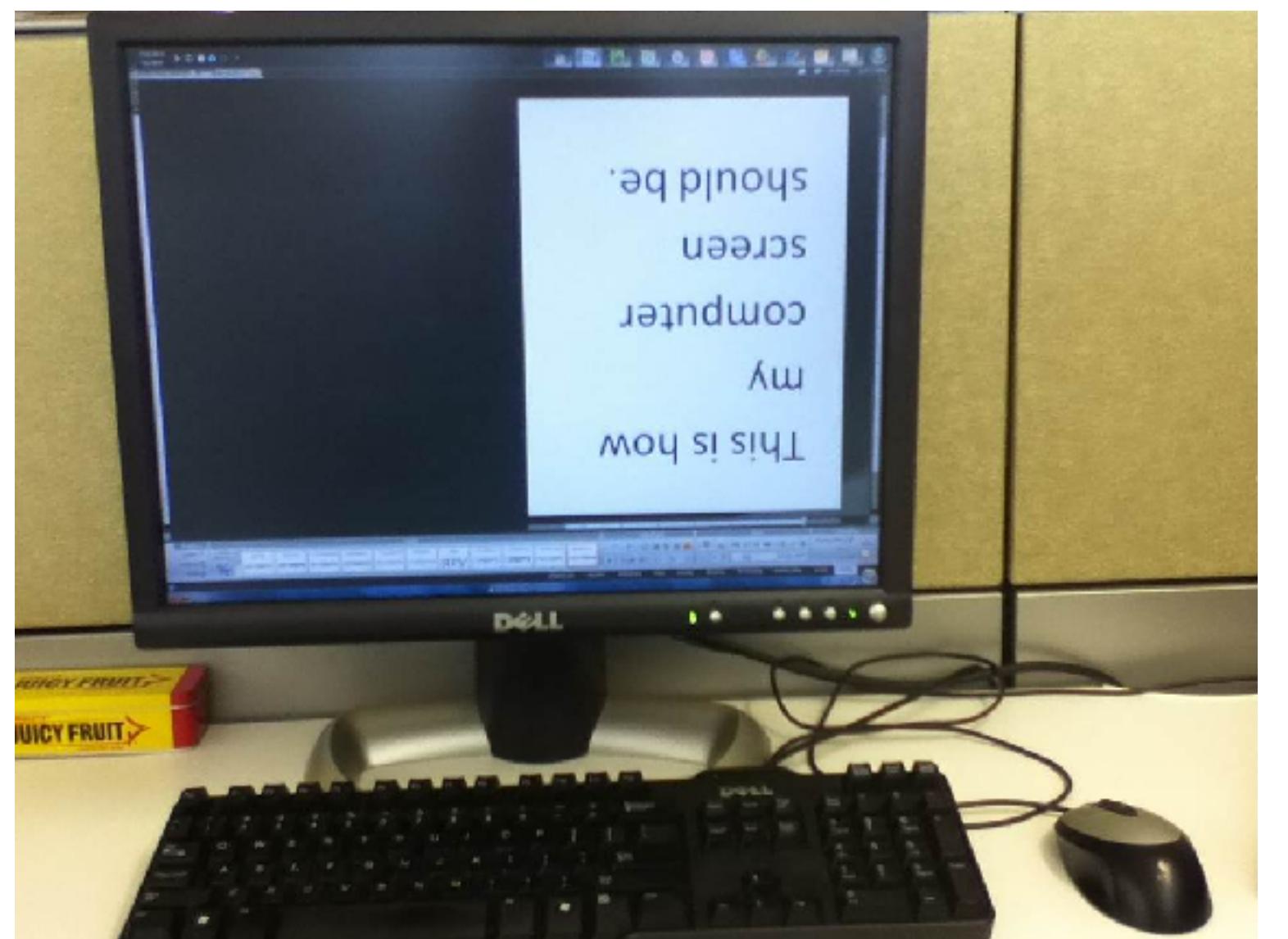


## Using Ubuntu in my butt?



Ubuntu is the most popular guest operating system on public butts and the fastest growing scale-out platform. The following public butts provide official, certified Ubuntu images.

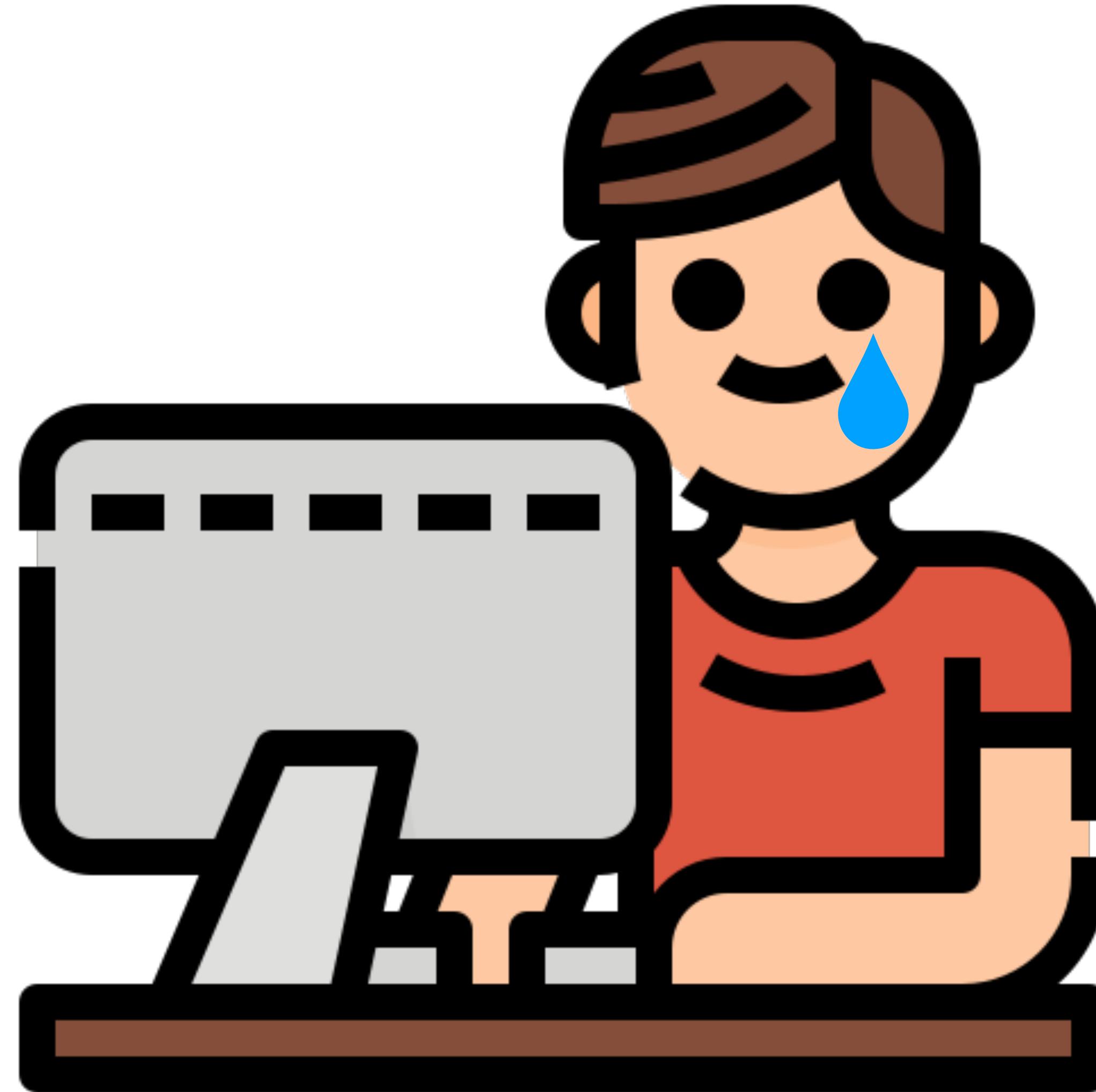
[Find out why Ubuntu Server is the best guest in your butt ›](#)







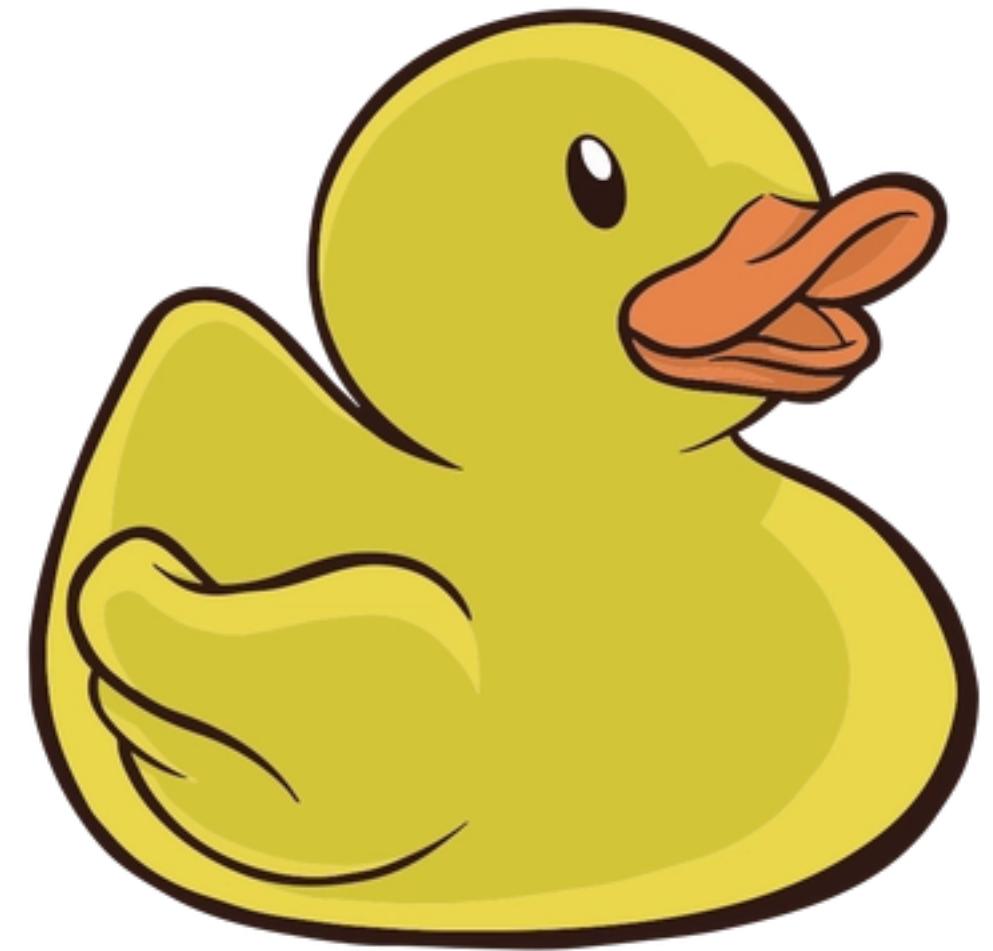
Dette var ikke noe gøy ..



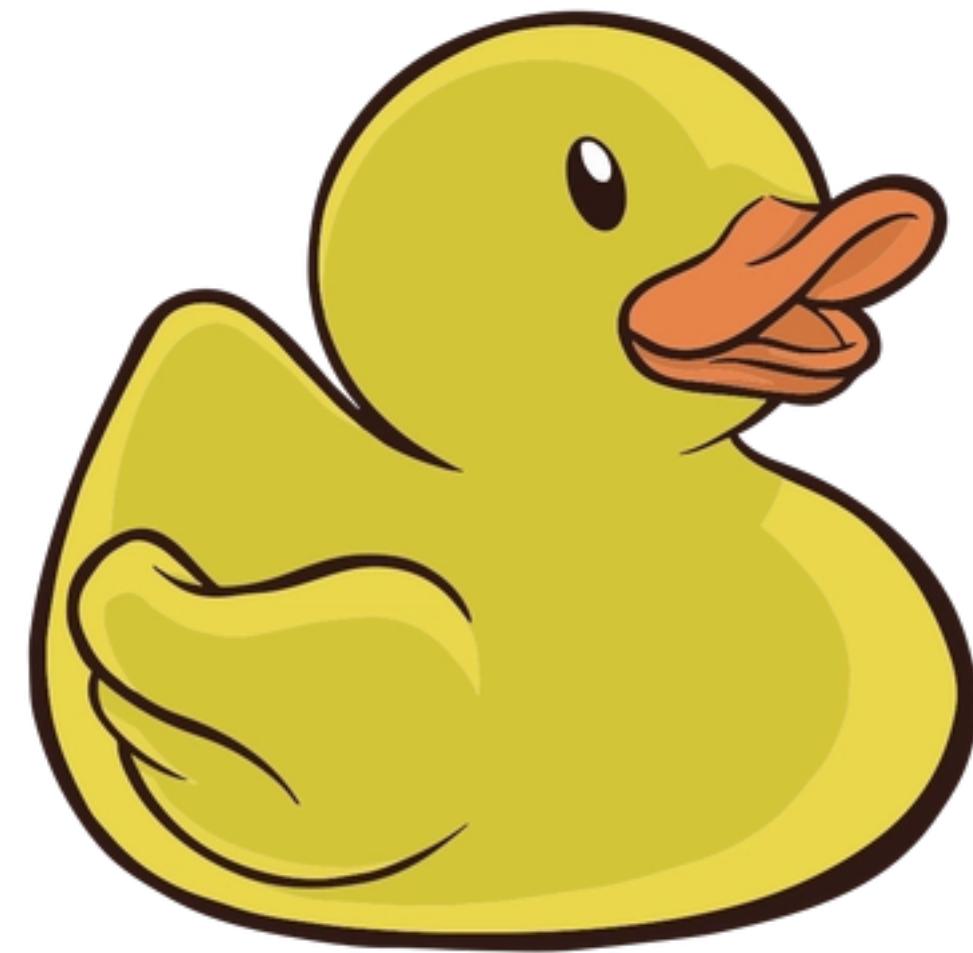
**Men dette rekker vel ikke en hacker  
mens jeg f.eks. henter kaffe?**

**Alt hackeren trenger er  
en badeand, en USB  
badeand ...**

???

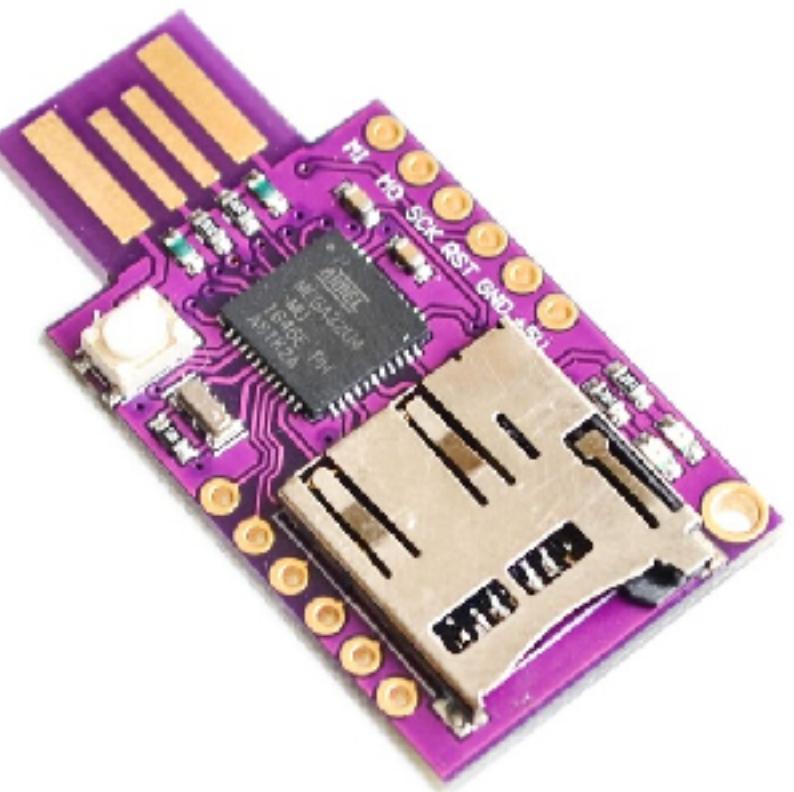
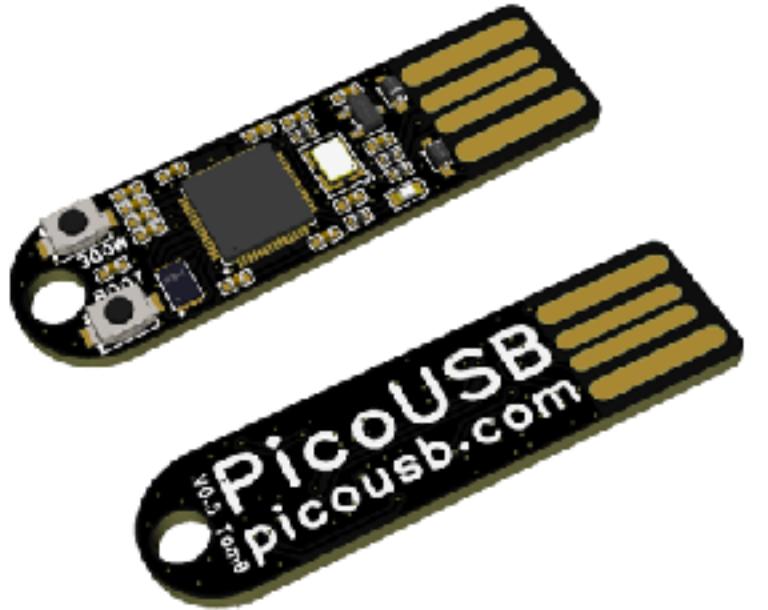


# USB Rubber Ducky



# USB Rubber Ducky

- Utnytter Human Interface Device (HID) protokollen
- Keyboard/Mus på steroider
- Maskert som en USB
- Auto eller manuelle scripts
- Kan lett og billig kjøpes i alle størrelser og formater

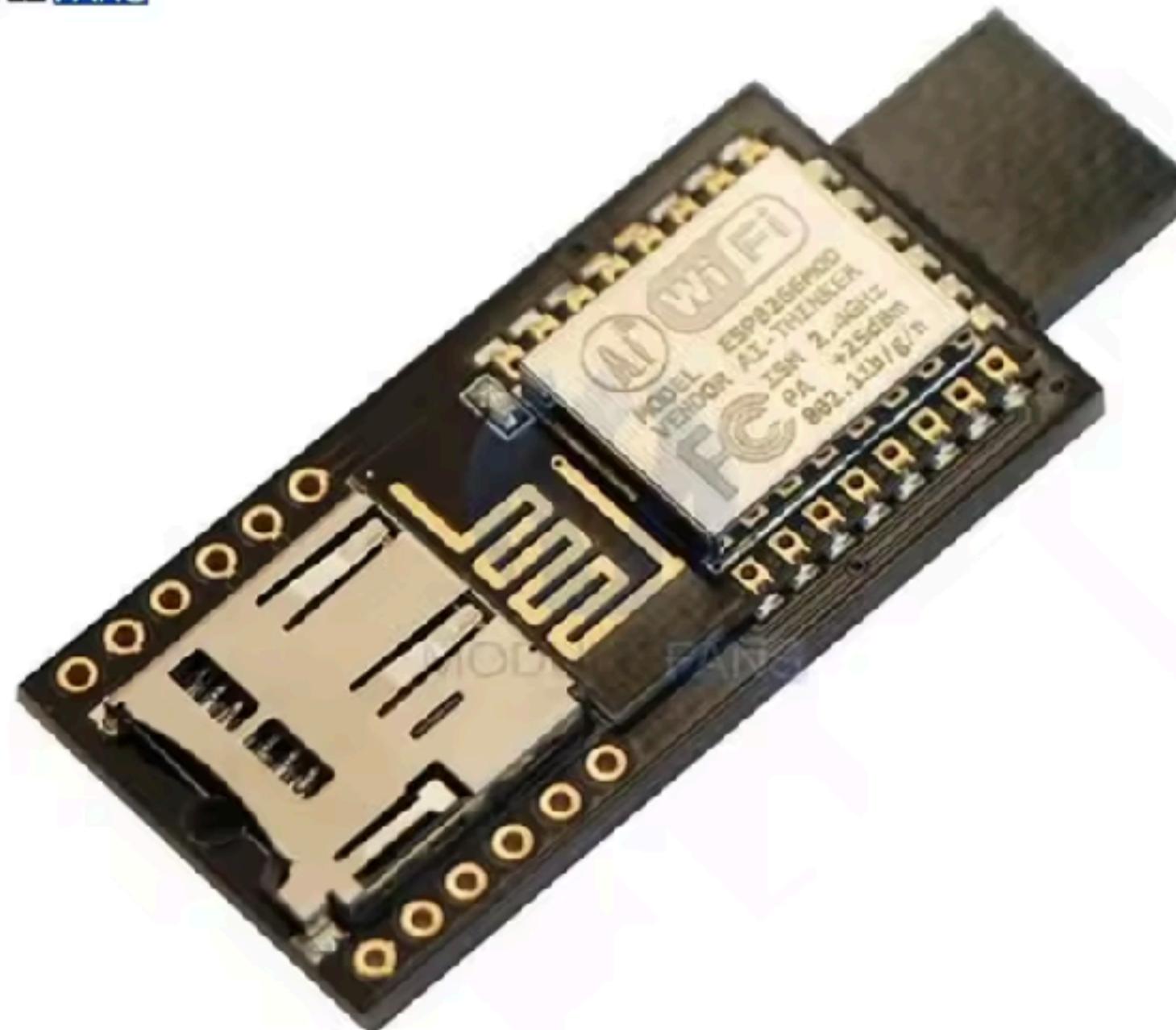


Hvordan går man frem hvis  
man skulle laget en slik  
device? (Spør for en venn)





MODULE FANS



**€8.23** ~~€8.76~~ 6% off

Wholesale 3+ pieces, extra 1% off

Tax excluded, add at checkout if applicable

€0.90 off over €34.98

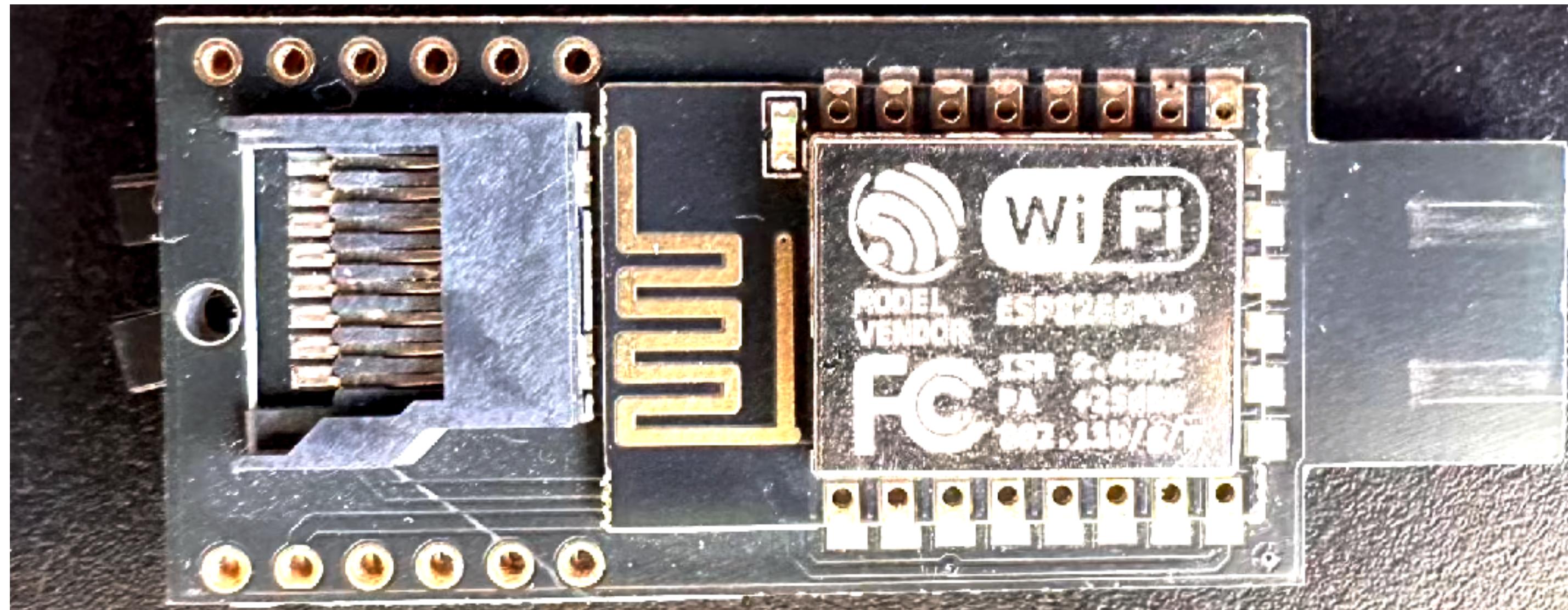
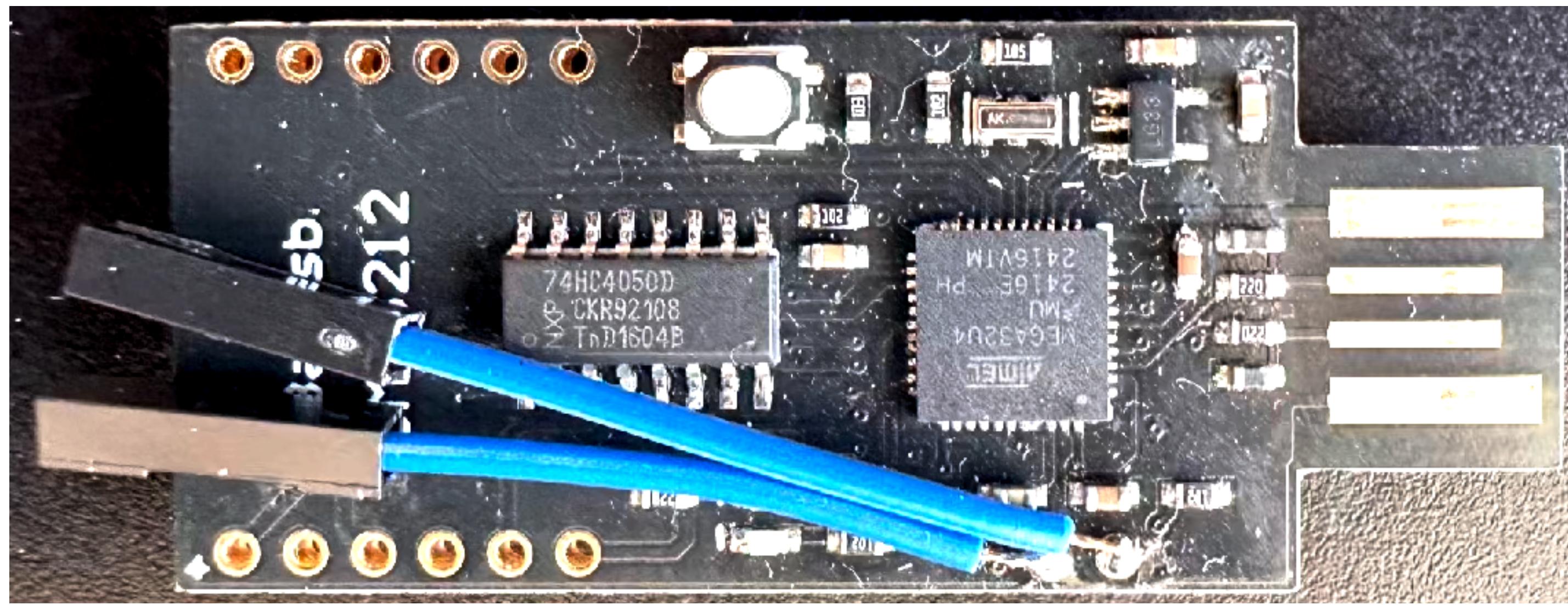
## ATMEGA32U4 ESP8266 ESP-12E ESP12E TF for Micro SD Virtual Keyboard Development Board for Arduino Module

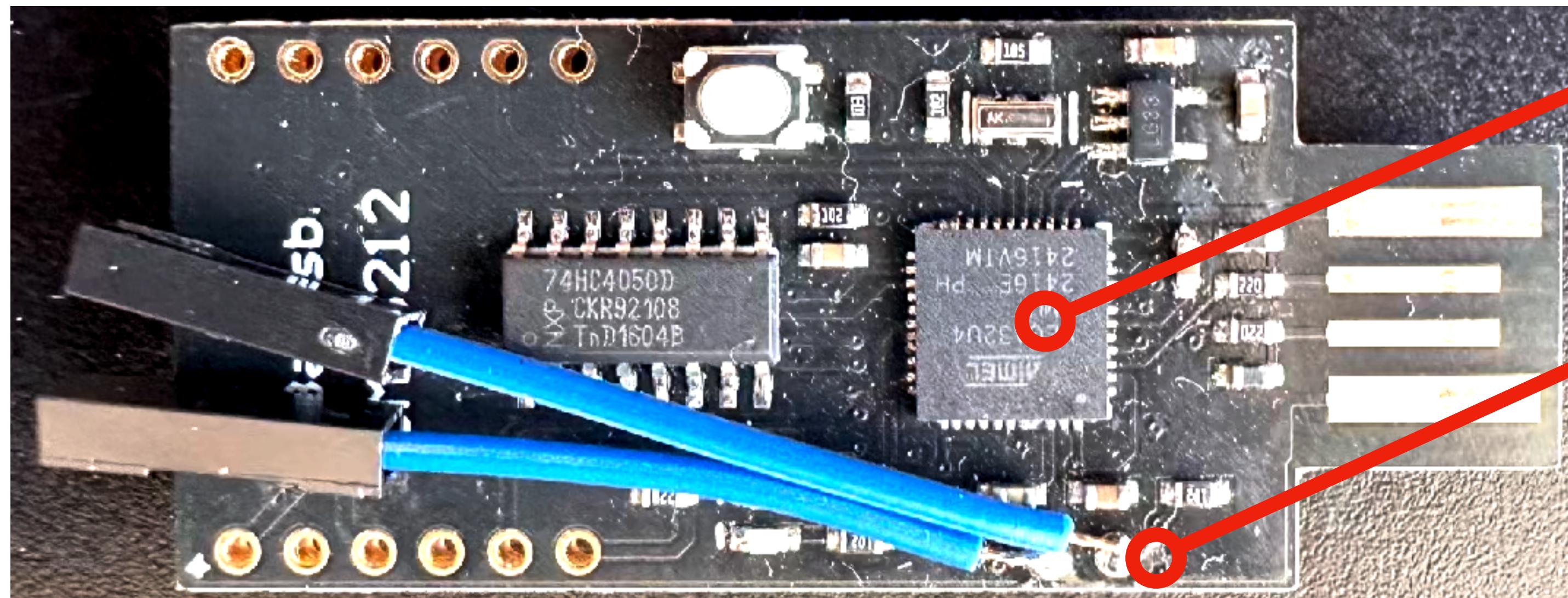
5.0 5 Reviews | 42 sold

### Product sellpoints

- High Temperature Resistance:Withstands up to 105°C, ensuring durability and reliability in various environments.
- Customizable Design:Offers is\_customized feature, allowing for tailored development solutions to fit your specific needs.
- Esp12e Arduino|ATmega32u4 Microcontroller:Boasts an ATmega32u4 microcontroller, ensuring robust performance and compatibility with Arduino.
- ESP8266 WiFi Module:Integrates an ESP8266 module, offering seamless WiFi connectivity for your projects.
- TF Micro SD Card Support:Supports TF Micro SD cards, enabling easy storage expansion for your virtual keyboard.

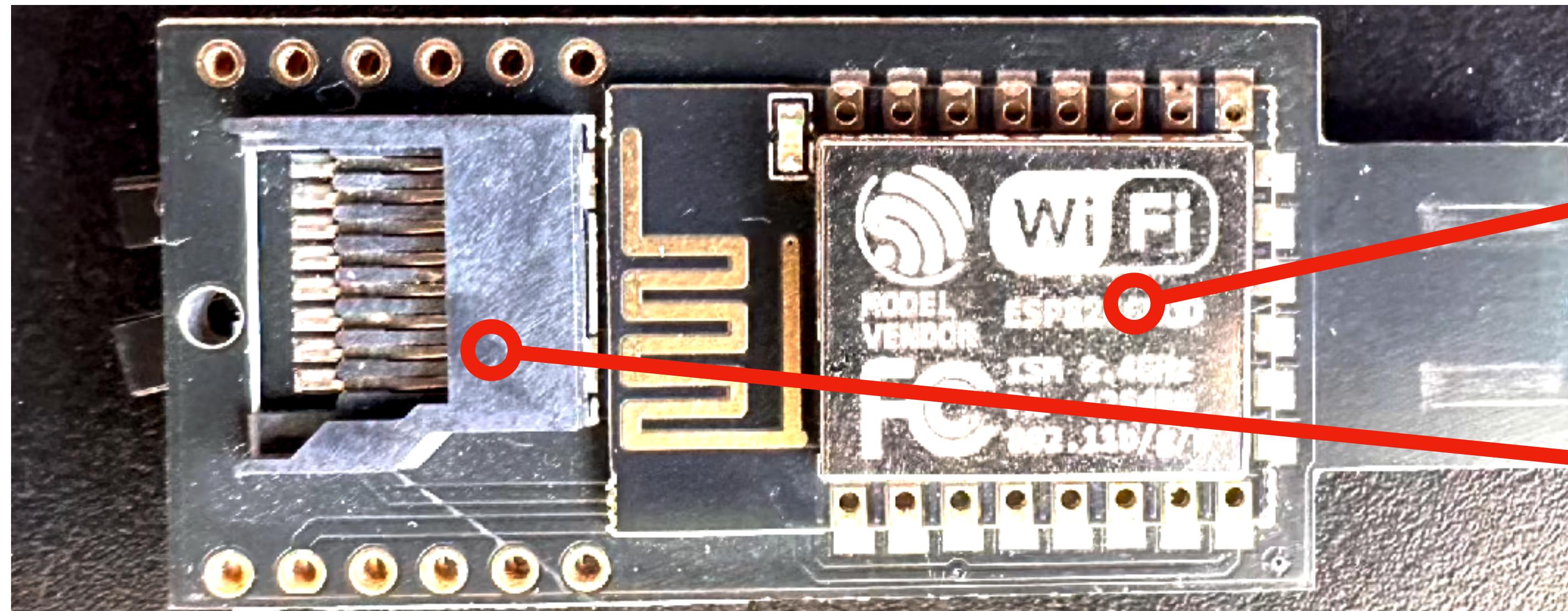
**Hvorfor valgte jeg denne?**





Atmega32u4 implementerer HID  
(Tastatur og Mus)

To mikrokontrollere på et brett  
gjør det litt mer tricky måte å  
flashe på

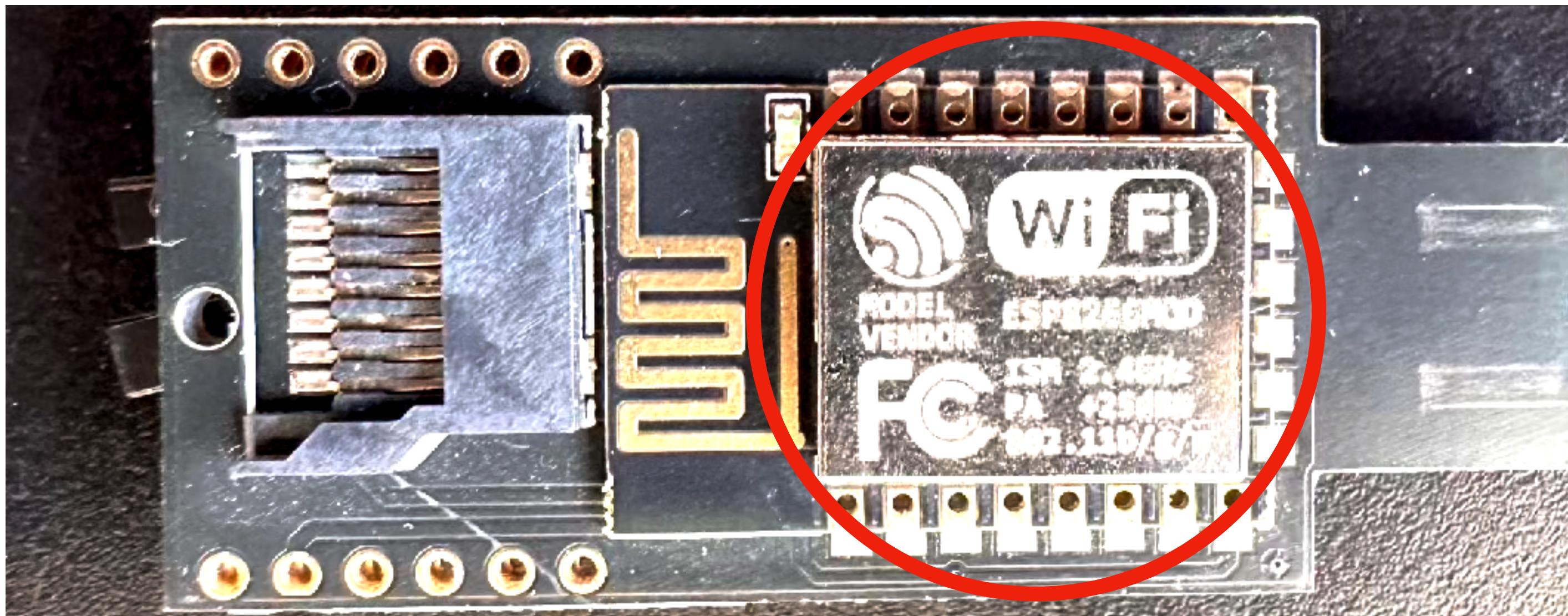
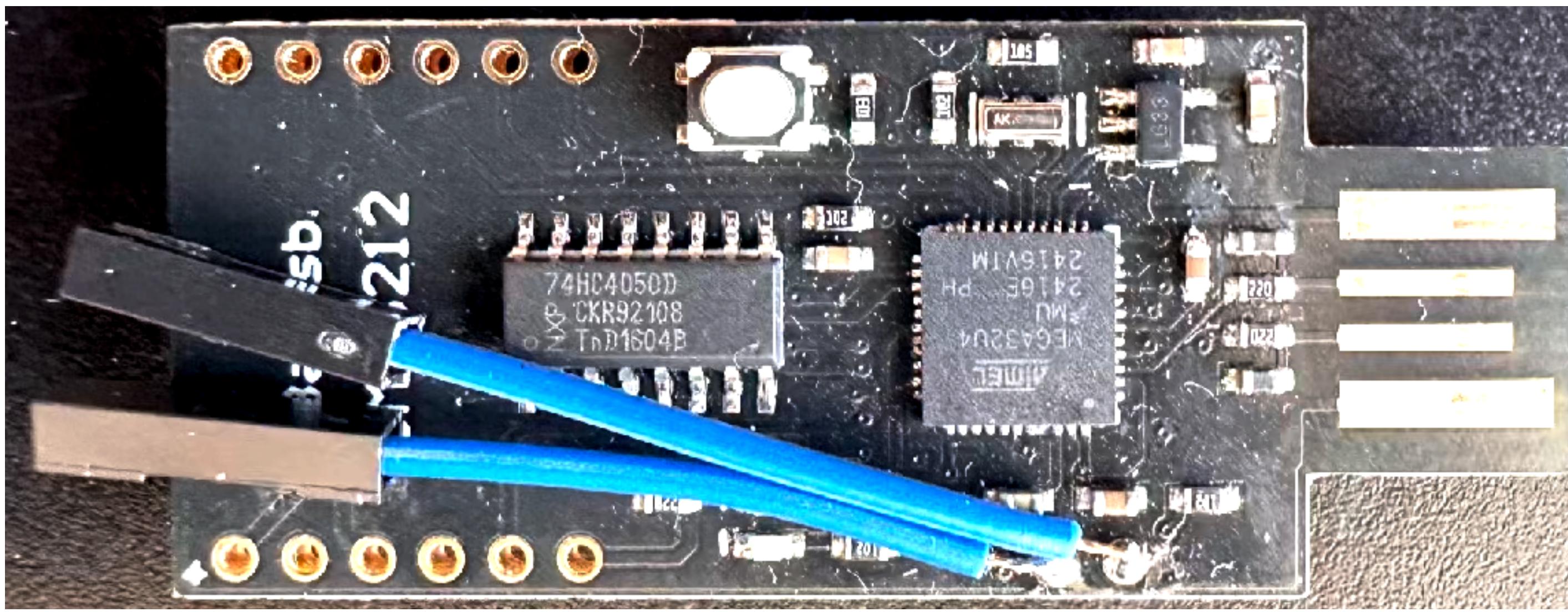


Esp8266 med WiFi innebygd  
og har stor støtte for HTTP

MicroSD-port som bl.a. kan  
benyttes til scripts

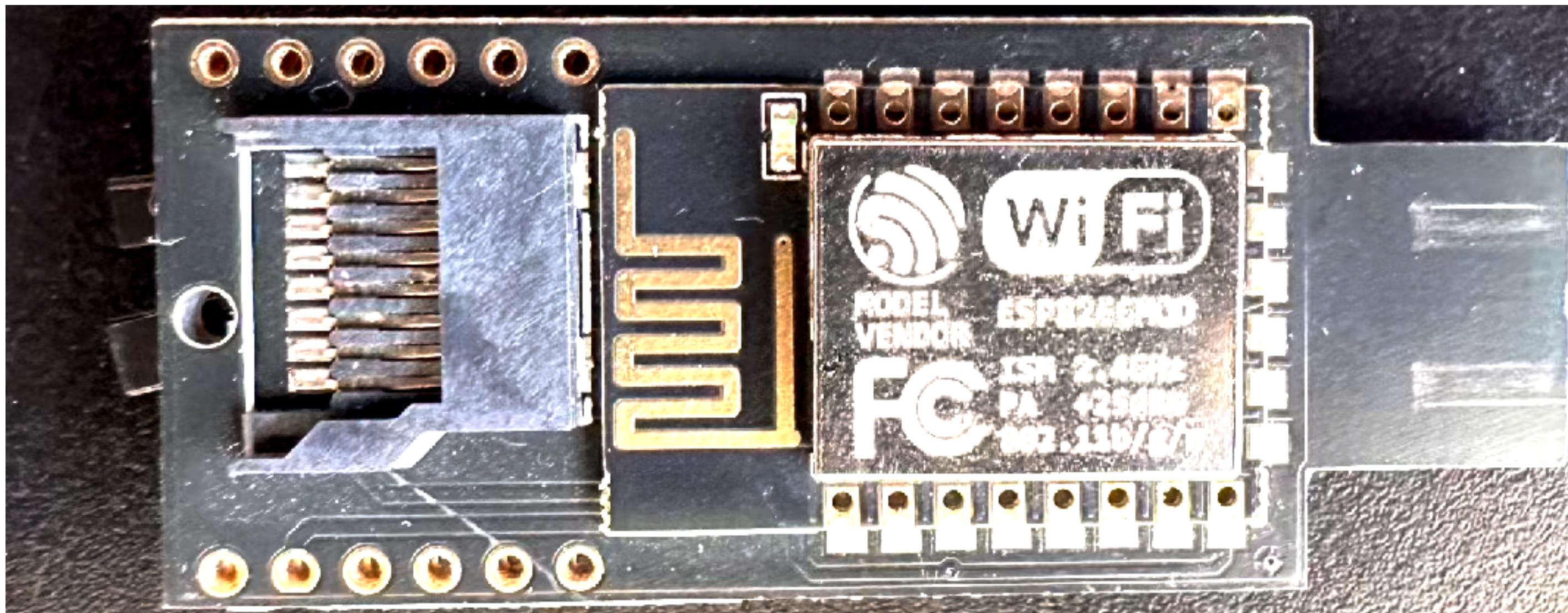
# Hacker bruker Esp8266 til

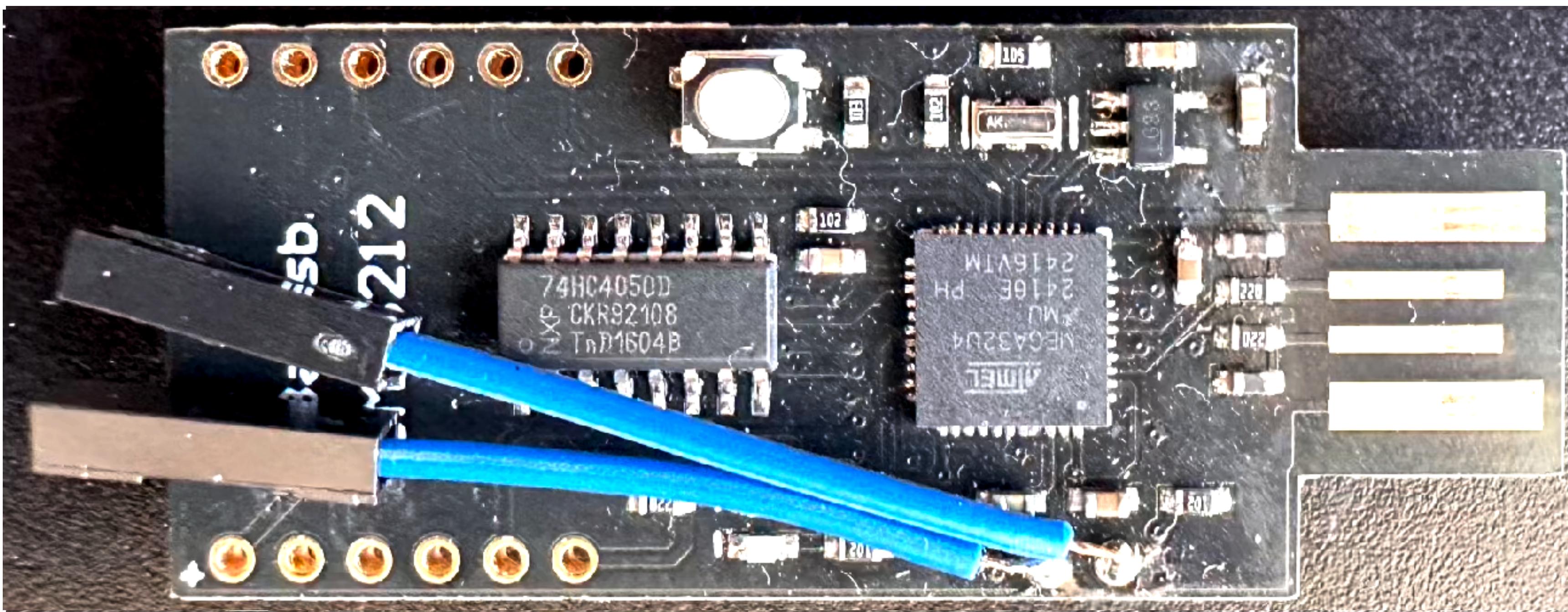
1. Sette opp et **WiFi Access Point**
2. Hoste en **web server** m/ nettside og API
3. Sende over kommandoer til Atmega32u4

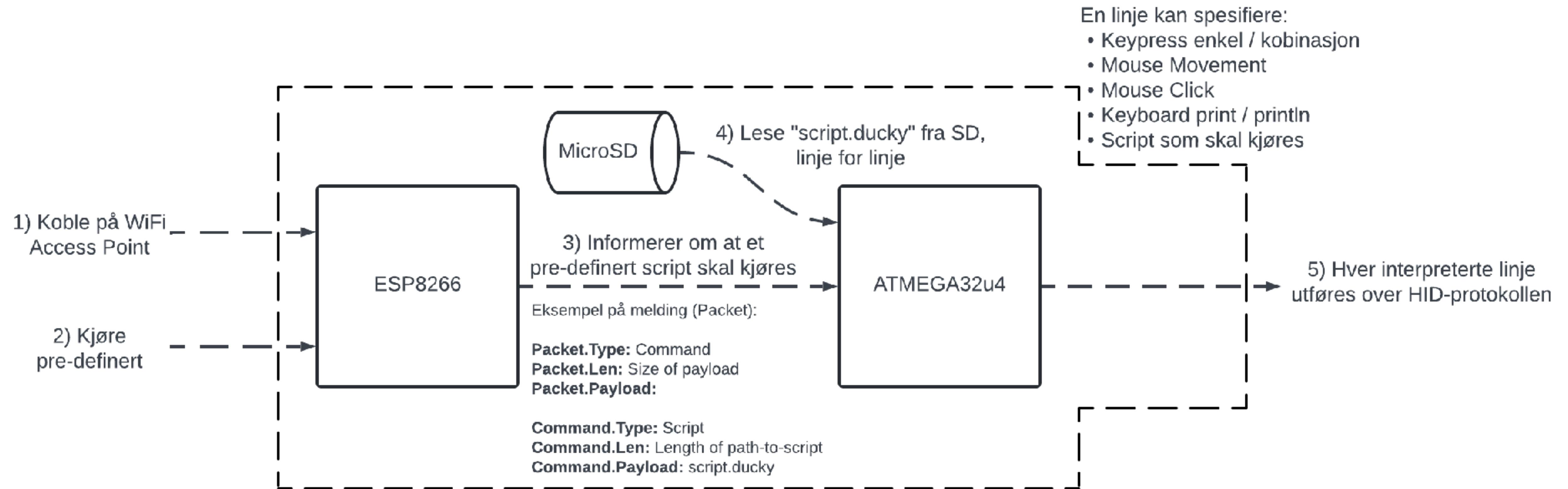


## Hacker bruker Atmega32u4 til

1. Motta kommandoer fra Esp8266
2. Tolke kommandoer og utføre det som er spesifisert (e.g. tastetrykk)
3. Lese scripts fra SD-kort





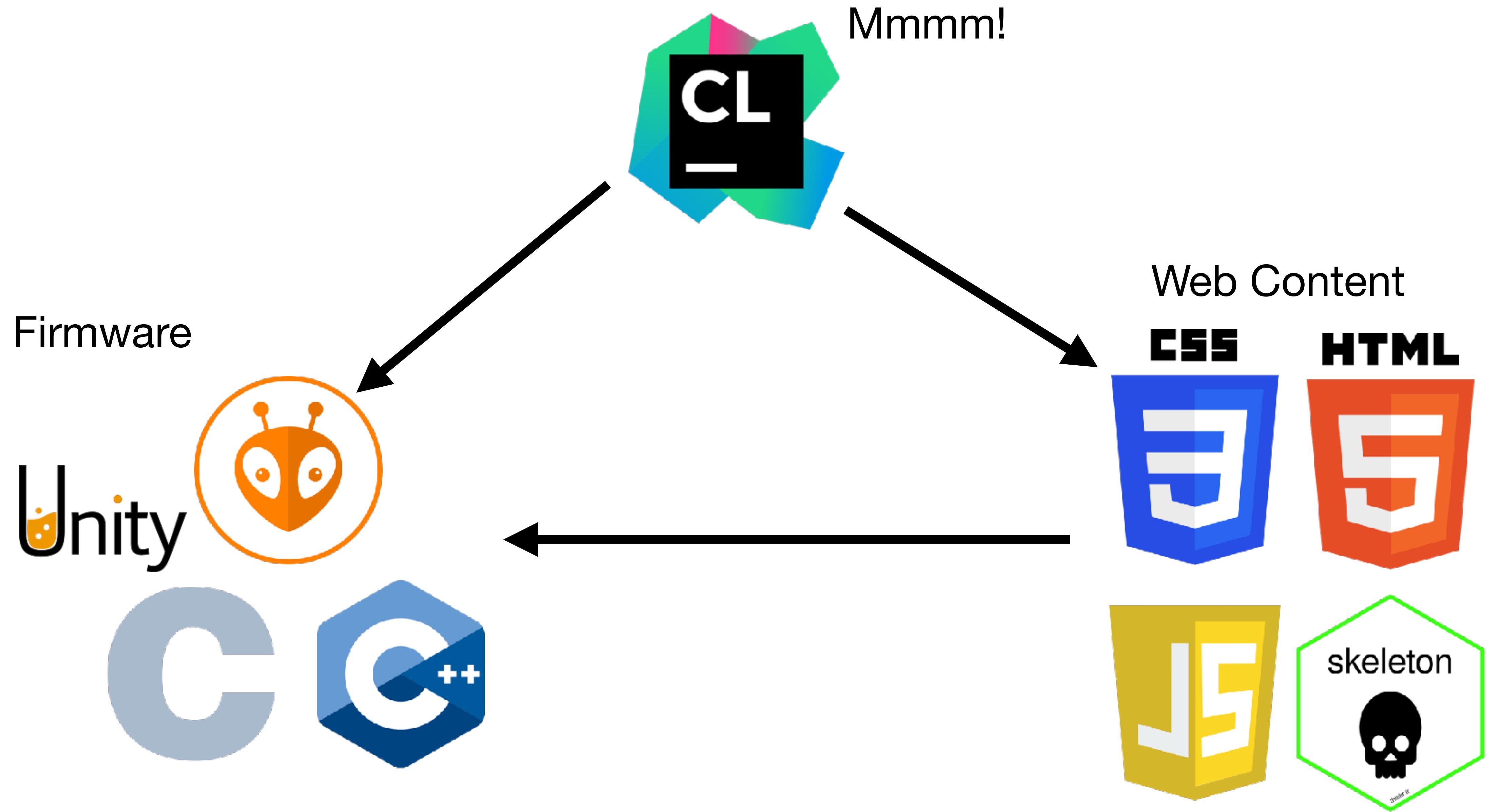


~~Utviklingsmiljø~~

Hackingmiljø

ÆSJ!





**La oss se på litt kode**



# På tide med en demo!



**Så husk!**

Nå skal jeg hente  
meg en kaffe!





Og om du snubler over en USB,  
en vakker dag ...







