

<workshop>



STANISLAV MIHIĆ
DIY SMART HOME

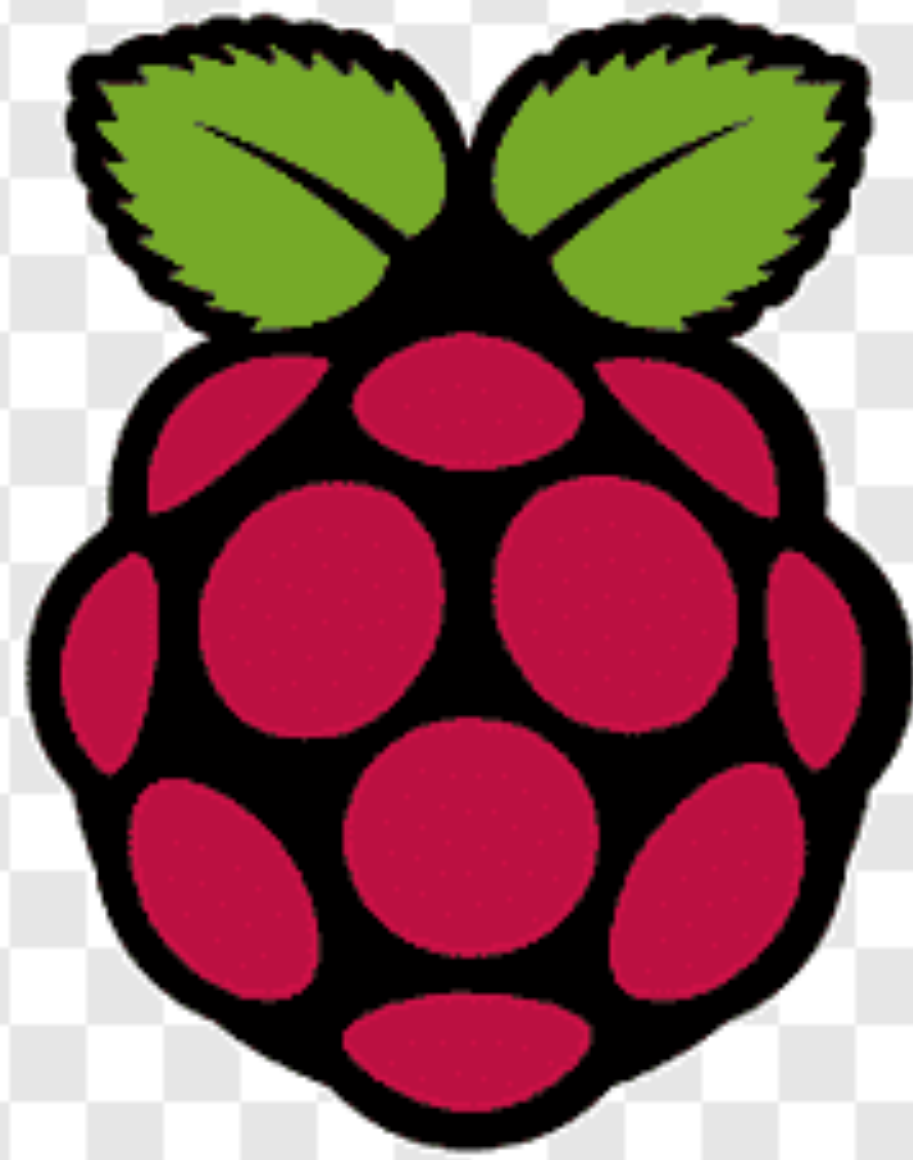
minus5

THE
GEEK
GATHERING

Kako to izgleda u Praksi

- Hardware
- Software
- Protokoli
- Primjeri
- Tips&Tricks

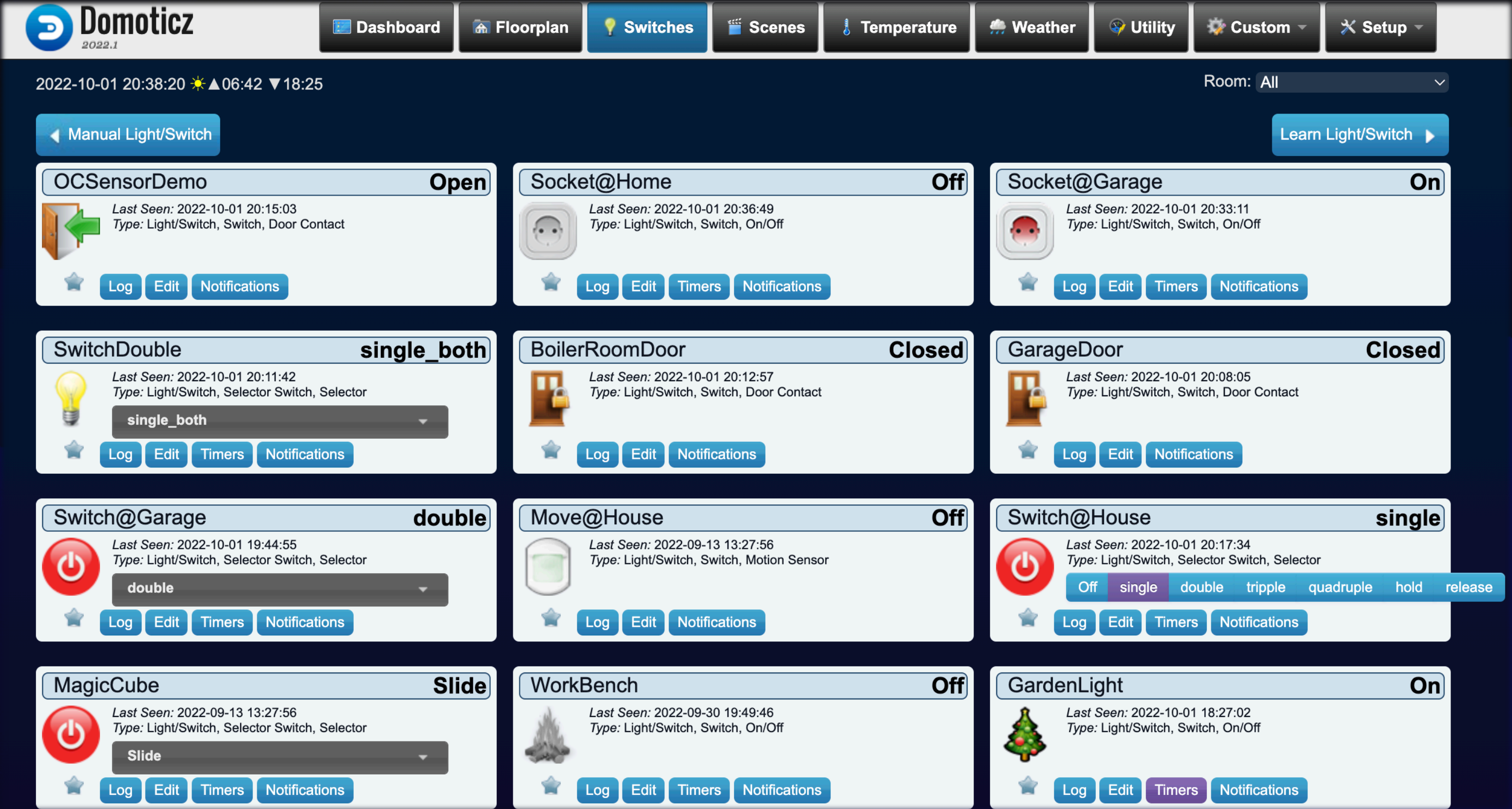
Hardware



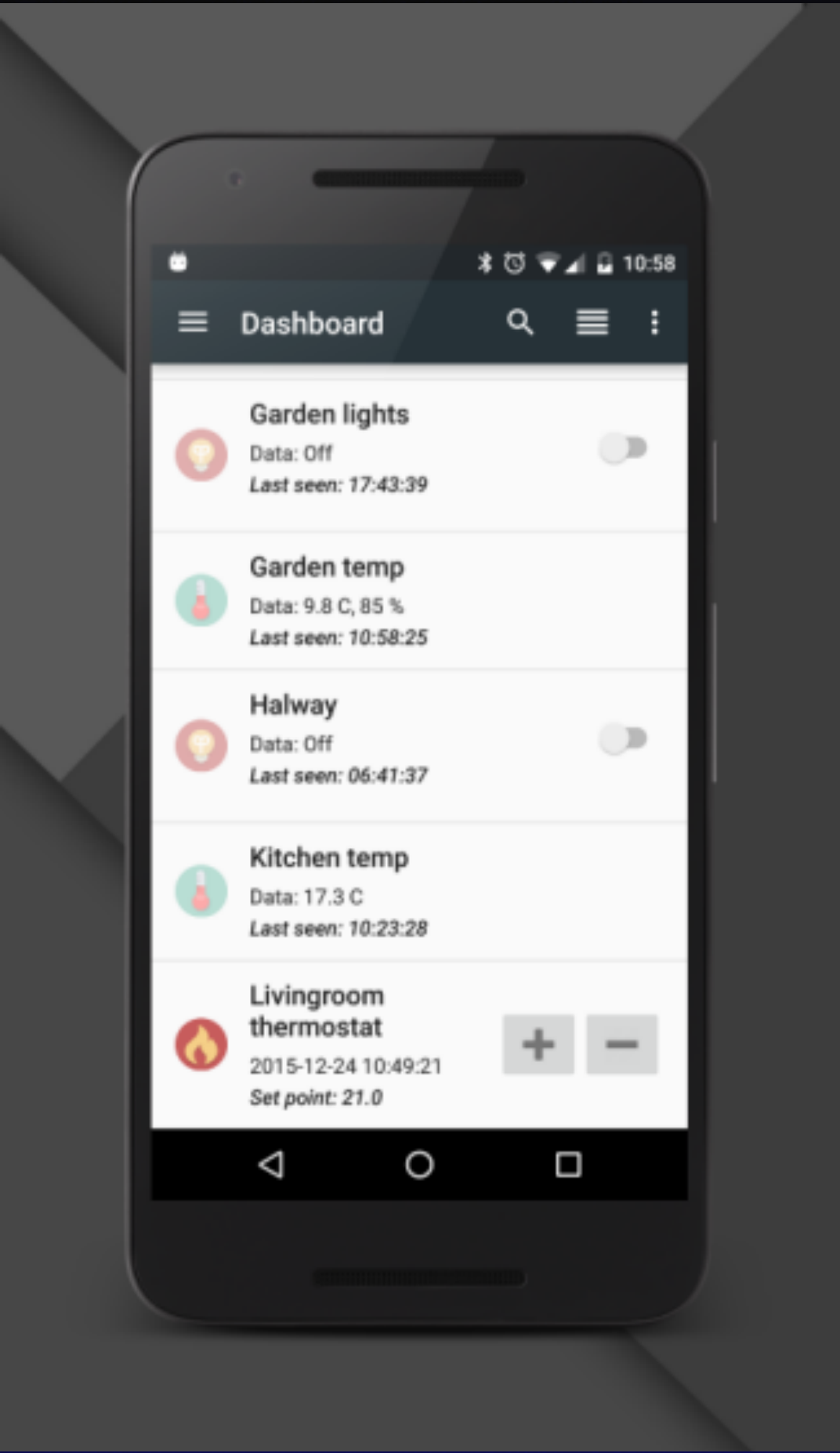
Raspberry Pi

RPI

Software



Domoticz



Domoticz for android

Software

ESP Easy Mega: ESP4CH

△Main

⚙️Config

💬Controllers

📌Hardware

🔧Devices

➡️Rules

🔔Notifications

🛠️Tools

	Task	Enabled	Device	Name	Port	Ctr (IDX)	GPIO	Values
Edit	1	✓	Switch input - Switch	Button1			GPIO-0	StateSW1: 1
Edit	2	✓	Switch input - Switch	Button2			GPIO-9	StateSW2: 1
Edit	3	✓	Switch input - Switch	Button3			GPIO-10	StateSW3: 1
Edit	4	✓	Switch input - Switch	Button4			GPIO-14	StateSW4: 1
Edit	5	✓	Switch input - Switch	SW1		1 (83)	GPIO-12	State: 1
Edit	6	✓	Switch input - Switch	SW2		1 (82)	GPIO-5	State: 0
Edit	7	✓	Switch input - Switch	SW3		1 (84)	GPIO-4	State: 0
Edit	8	✓	Switch input - Switch	SW4		1 (89)	GPIO-15	State: 0
Add	9							
Add	10							
Add	11							
Add	12							

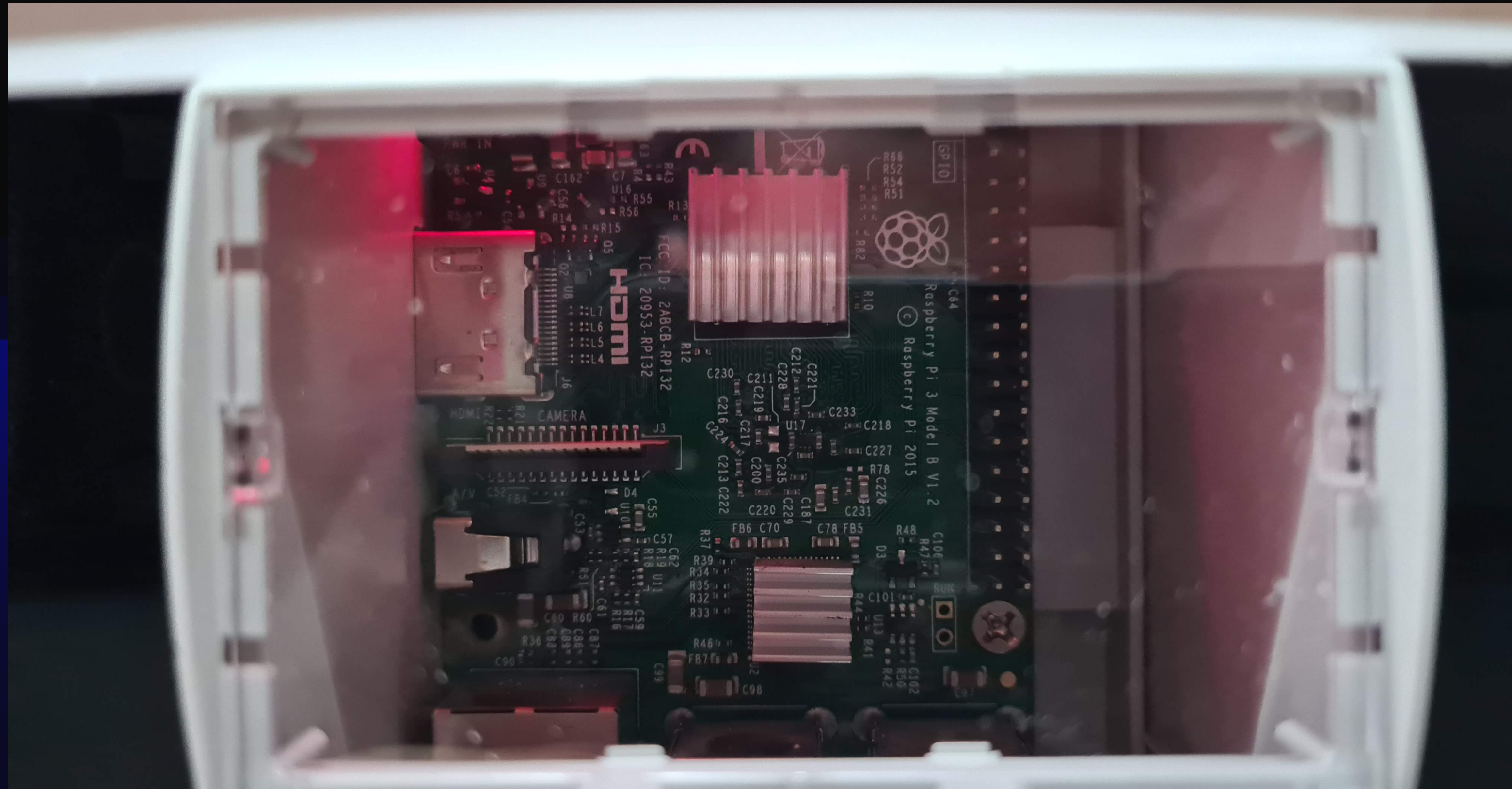
Powered by [Let's Control It](#) community

ESPEasy - let's controll it

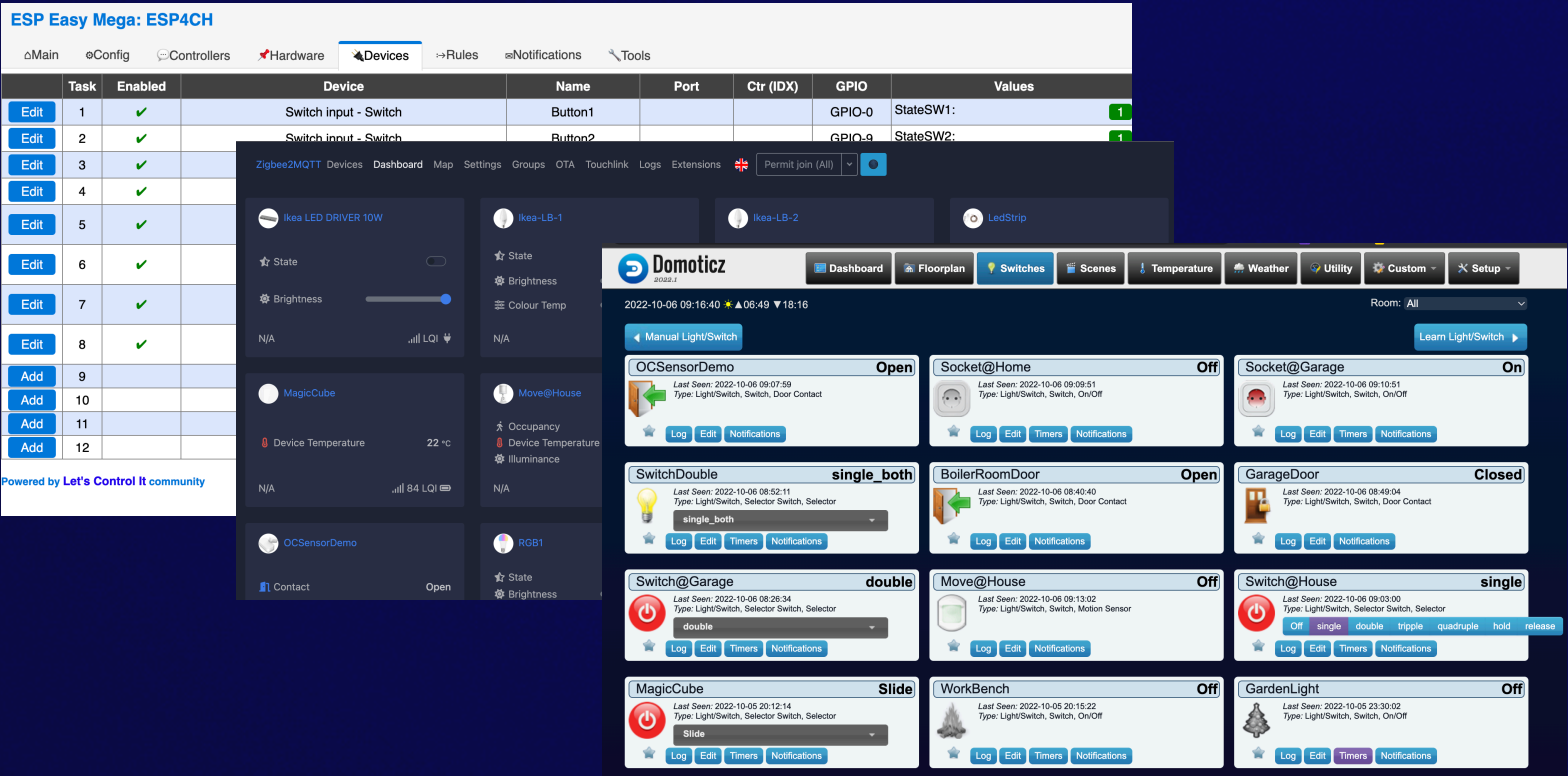
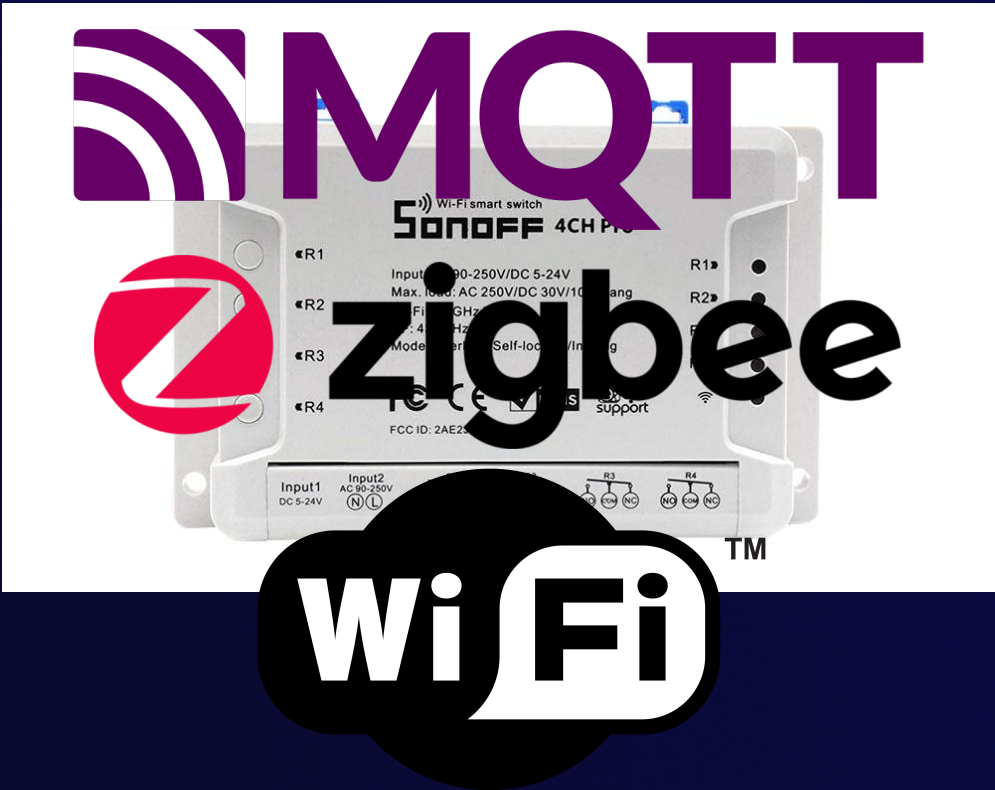
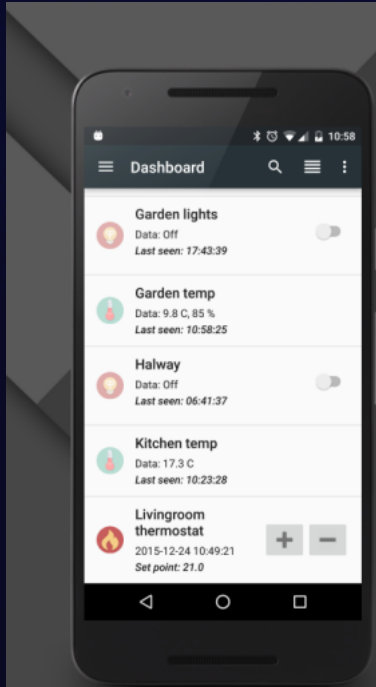
Protokoli



Hrpa slika i Primjera



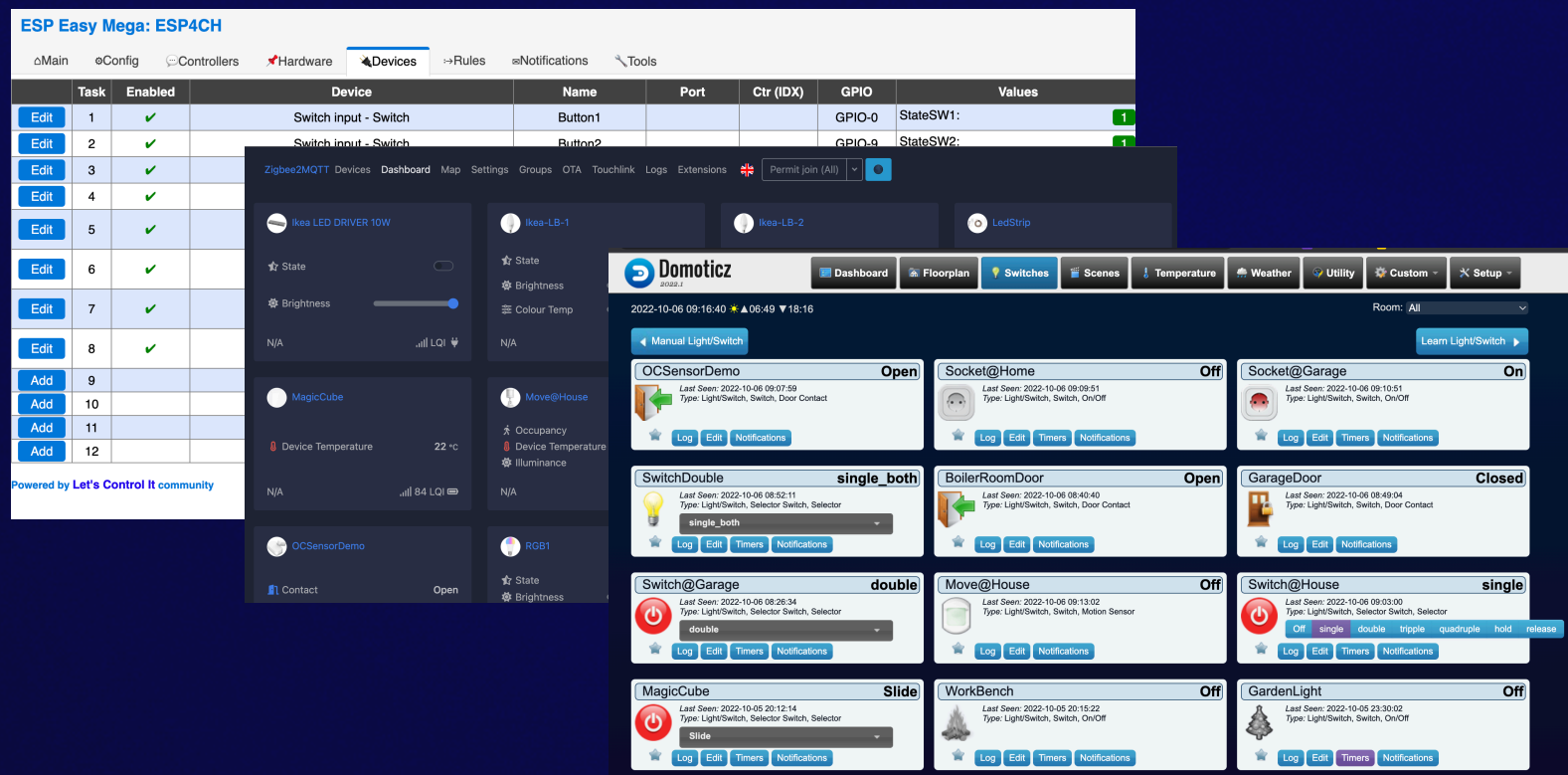
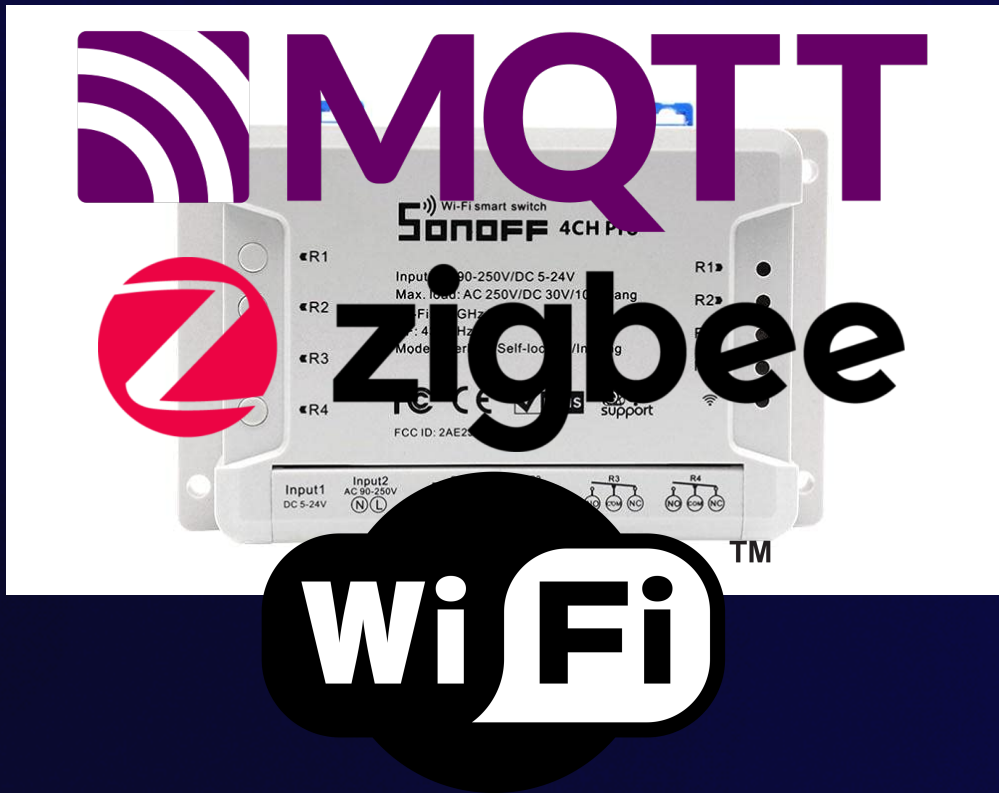
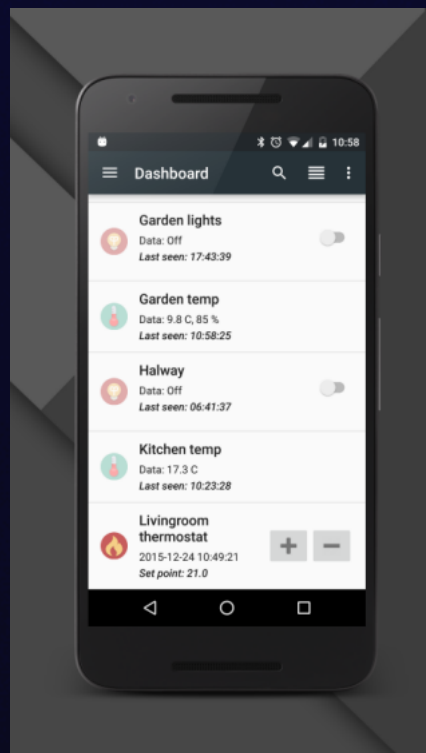
Saga o garažnim vratima



Kada ne kompliciram



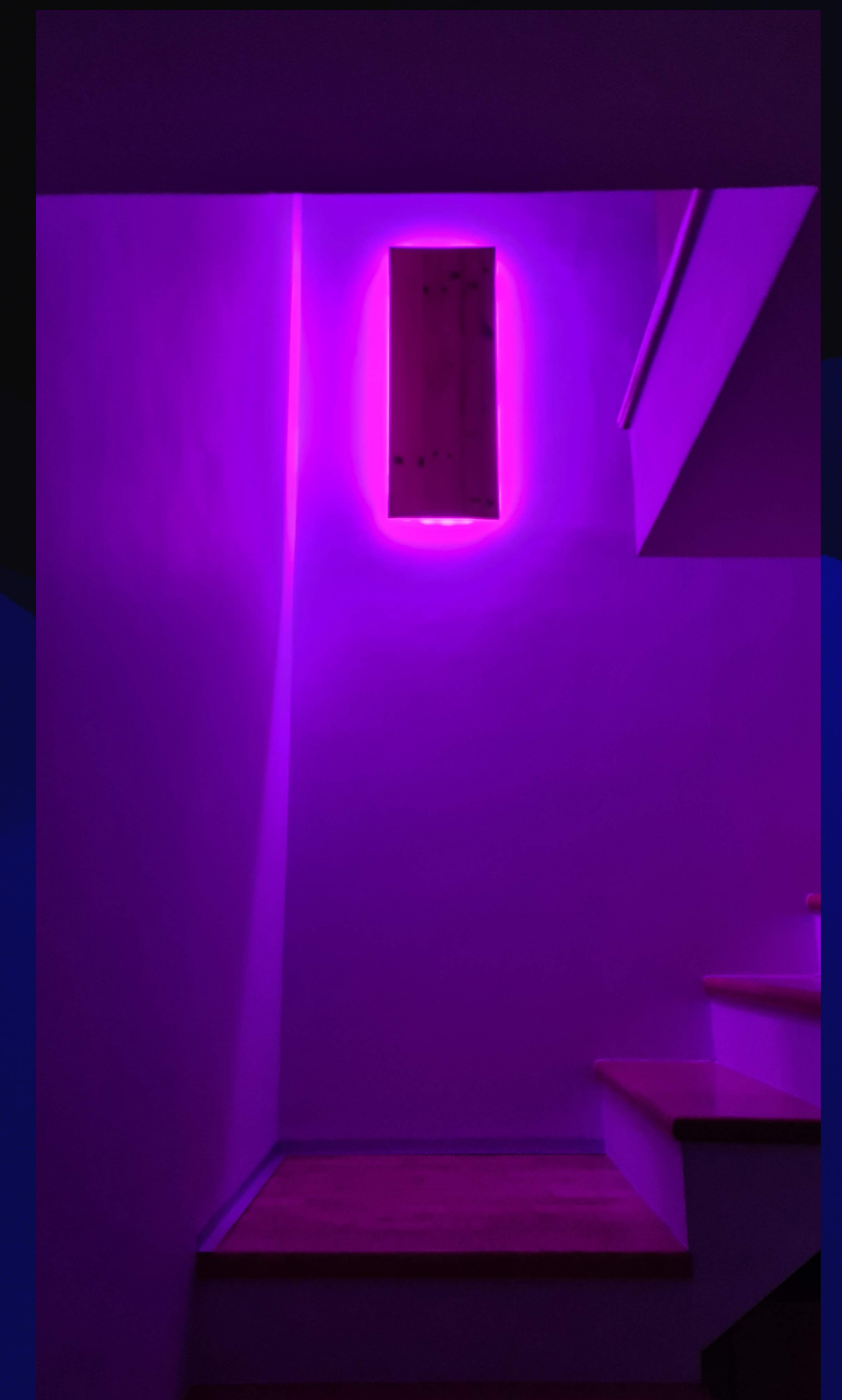
Navodnjavanje...



Navodnjavanje...



Rasvjeta...



Senzori...



- **LYWSD03MMC BLE**
- **WSDCGQ11LM ZIGBEE**

Tips&Tricks

- Ne komplicirati stvari :-)
- Za početak odabrati 1 ili 2 proizvođača
- WAF (wife acceptance factor) !!!
- Iterirajte :-)
- Zabavite se

Preporuke

alexa



Aqara



TRÅDFRI

tuya

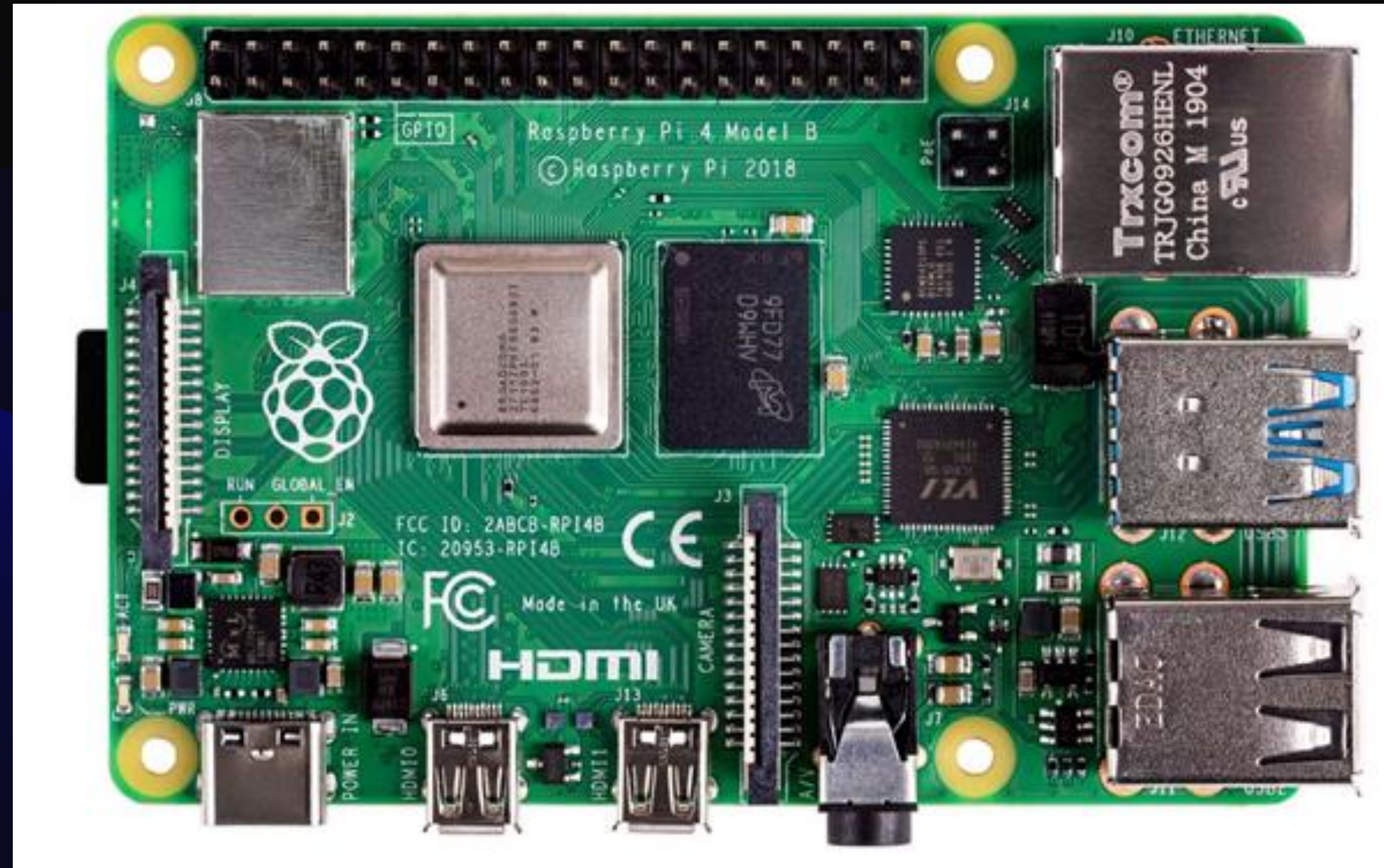


SONOFF

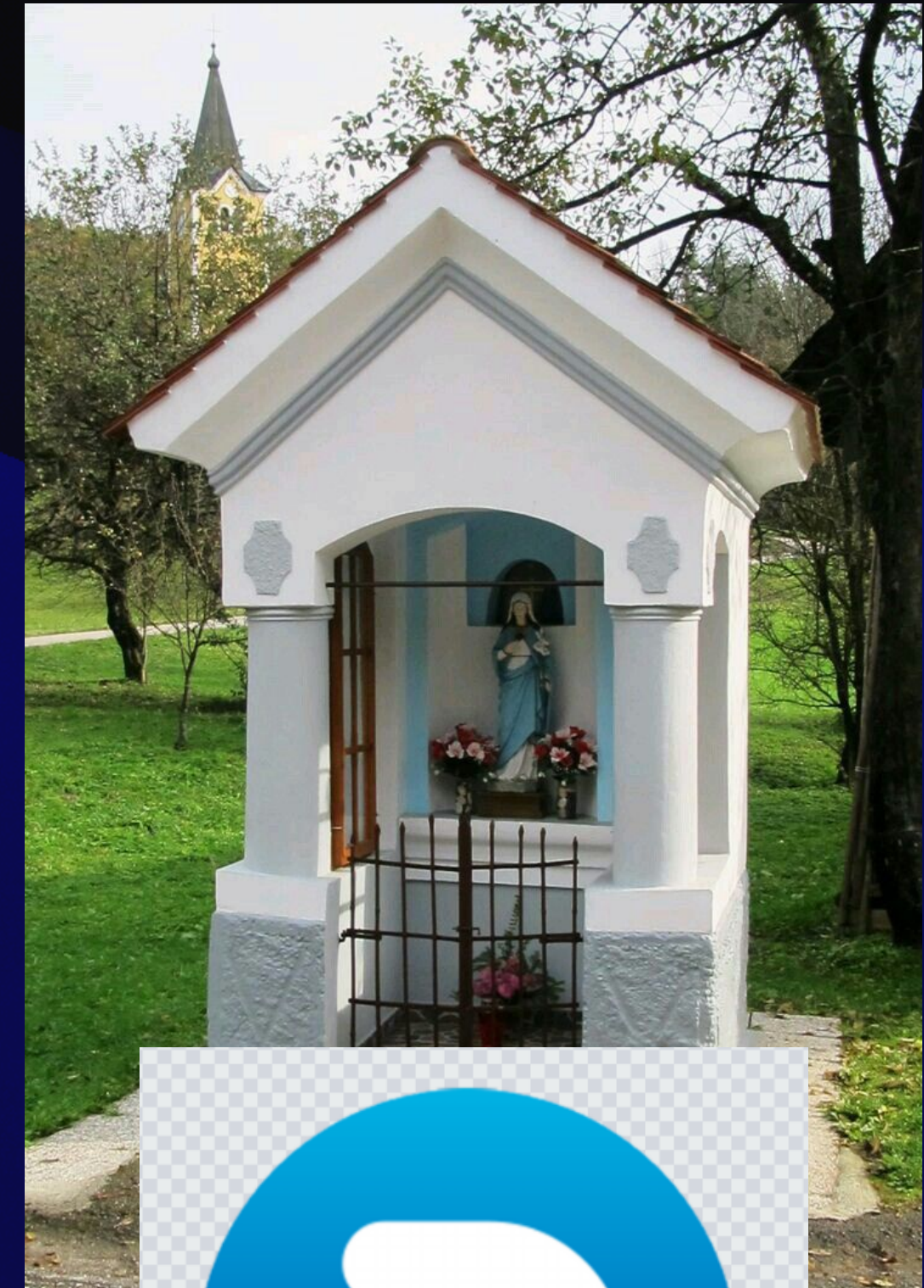


Google Home

Kontrola...



Home automation...



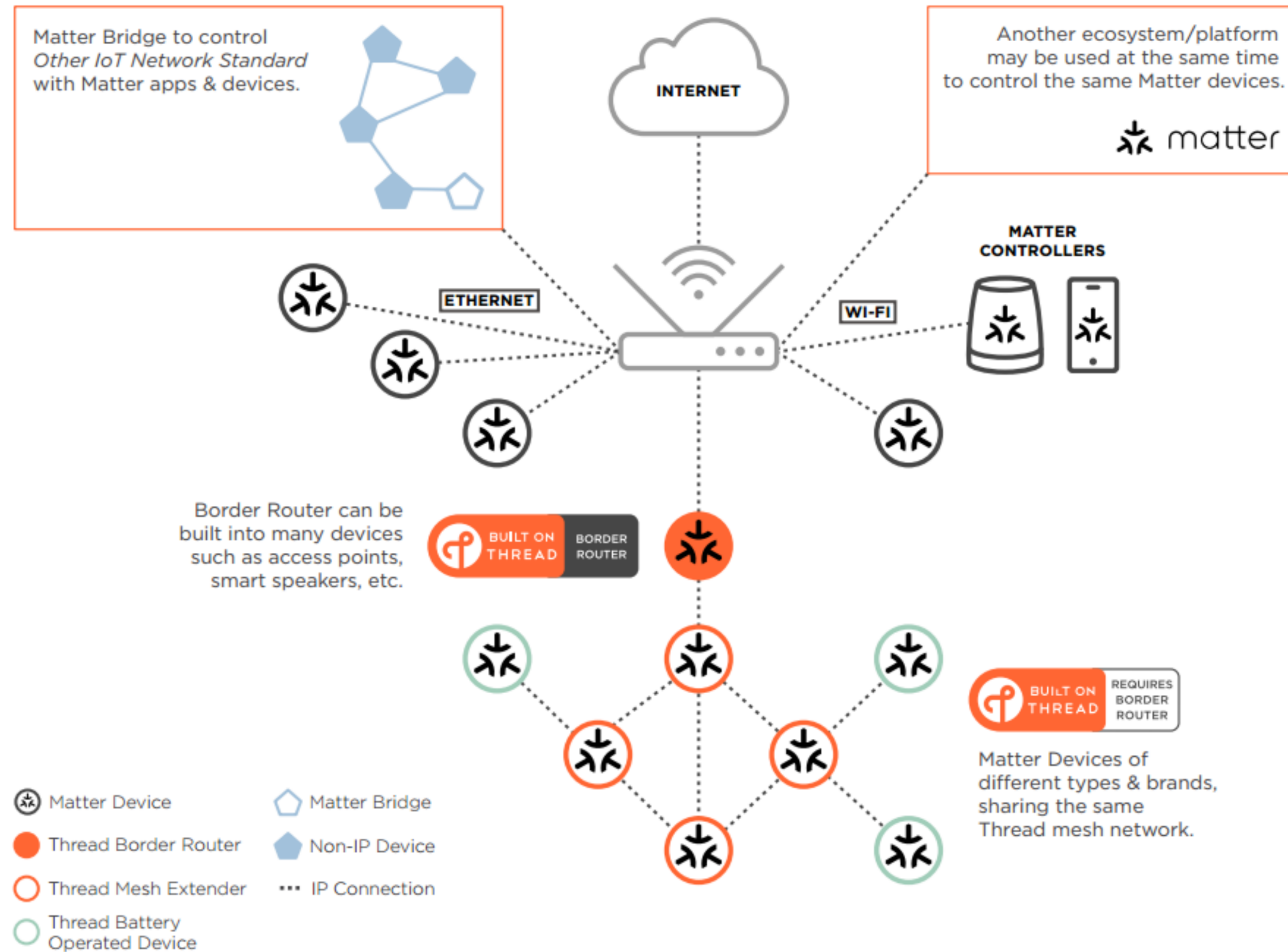
Sigurnost...

- Možda tema za buduće predavanje...
- Cloud ☁️
- Mission critical
- Network setup, (VLAN) :-)
- Update, upgrade...

Malo o protokolima...

- Ne postoji (još uvijek) univerzalni protokol
- Mqtt, uspio ujediniti ostale :-)
- Z-wave, jednostavno radi ali i košta
- Knx ne spominjem to je već industrija
- Zigbee open source protokol, jeftin :-) a popularan
- Sve ostalo, valjalo bi spomenuti

Budućnost!?





Q/A

Hvala!

<https://iot.com.hr>

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