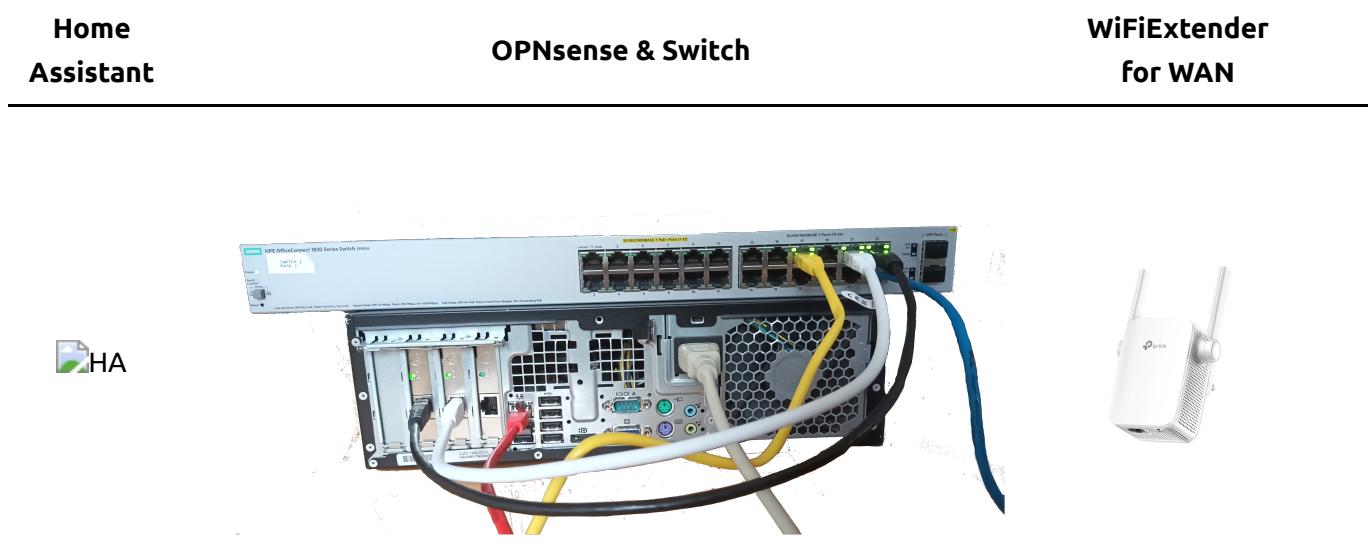


# OPNsense & HPE OfficeConnect Switch 1820 24G PoE+

## Network Diagram



## Cable connection

EthCabel	Function	OPNsense	Switch	HomeAssistant	WiFiExtender for WAN	ManagerPC
Red	WAN	(em0)			Eth	
Black	LAN	(re0)	Port23			
White	VLANs	(re1)	Port21			
Yellow	Home Assistant Server			Eth		
Blue	Manegment PC		Port24			Eth

## Sources and inspiration

- OPNsense documentation & wiki project
  - [Introduction](#)
- Home Network Guy Articles:
  - [Set Up a Fully Functioning Home Network Using OPNsense](#)
- Home Network Guy Videos:
  - [Set up a Full Network using OPNsense \(Part 1: Overview\)](#)
  - [Set up a Full Network using OPNsense \(Part 2: OPNsense\)](#)
  - [Set up a Full Network using OPNsense \(Part 3: Switch\)](#)

- [Set up a Full Network using OPNsense \(Part 4: Wireless Access Point\)](#)

## Setup & configurations instructions

- Switch
  - [HPE OfficeConnect Switch 1820 24G PoE+ Configuration](#)
- OPNsense
  - [Install from USB-key](#)
  - [Interface](#)
  - [Firewall](#)
  - Service
    - [DHCPv4](#)