Ubiquiti Home Network

See https://github.com/mjp66/Ubiquiti

Equipment Used:
- Ubiquiti EdgeRouter X   About $50
- Ubiquiti AP-AC-LR Wi-Fi Access Point   About $100

This equipment can provide 3 isolated or semi-isolated wired networks, and up to 4 isolated or semi-isolated Wi-Fi SSIDs. The networks provided by this equipment are as follows:
- Wired Home Network   For most of the household personal computers
- Wired Separate Network   For isolated and/or separate personal computer(s)
- Wired IOT Network   For wired Internet-Of-Things devices
- Wi-Fi Home Network   For household personal computers, tablets and smartphones
- Wi-Fi Guest Network   For visiting friend's tablets and smartphones
- Wi-Fi IOT Network   For Wi-Fi Internet-Of-Things devices

The Wired Home Network and Wifi Home Network is actually the same Network.
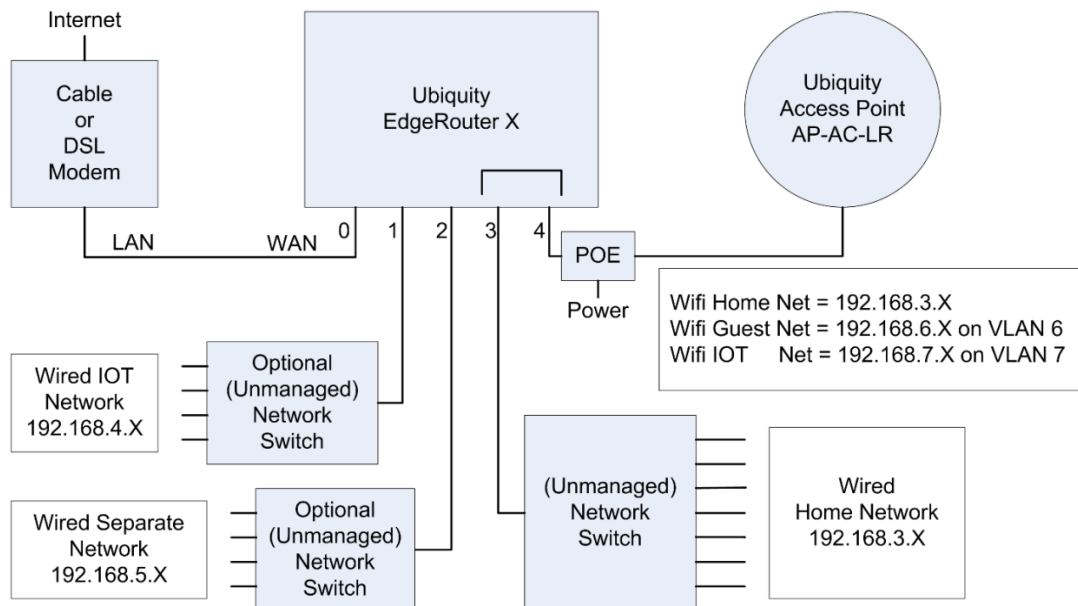
With this setup, the Home Network (both Wired and Wi-Fi) is able to initiate connections / communicate with devices on both the Wired IOT Network and the Wi-Fi IOT Network. Devices on the IOT Networks are NOT able to initiate connections / independently communicate to the Home Network. No other Networks can communicate with the Wired Separate Network.