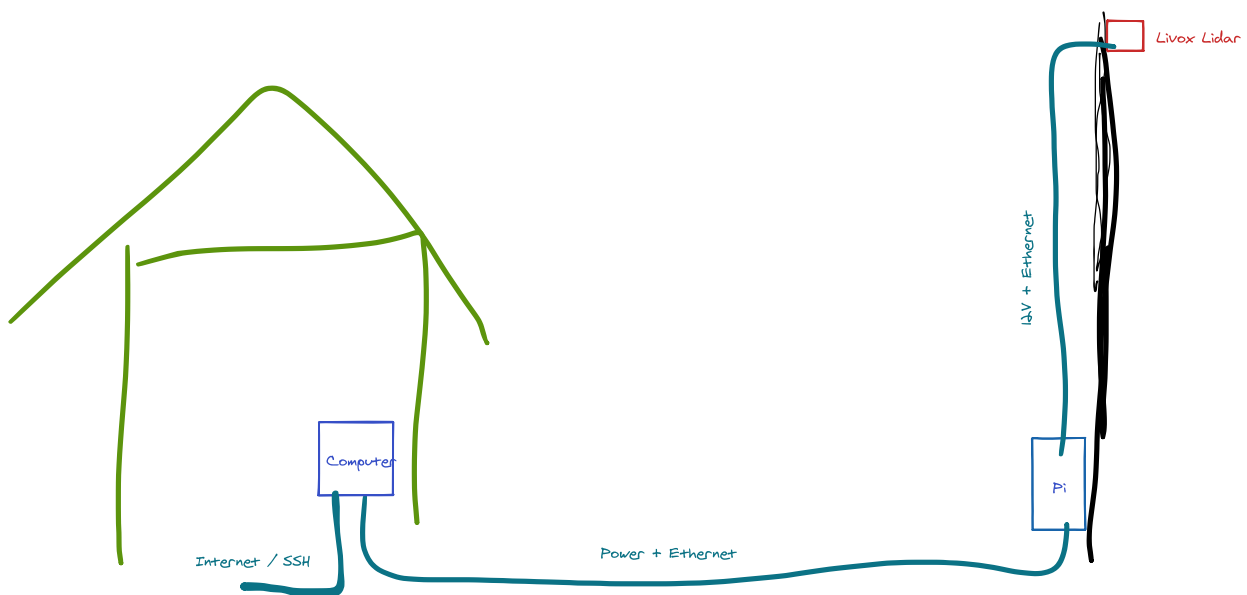# SnowyOwl Hardware

- [Lidar](#) ↗
- [Pi 3b or 4b](#) ↗
- USB hard drive for the Pi (>= 500 GB)
- 12V 3A power supply (for the lidar)
- 5V power supple (for the pi)
- Desktop computer (large hardrive ~10TB)
- Ethernet cable (between lidar and Pi, and between Pi and desktop computer).
- Ethernet switch.
- Enclosure
- Lidar mounting braket (To be made by a workshop)

Is it possible to have one single computer instead of a Pi + Desktop, if the lidar can be plug/linked via ethernet directly into this machine.

budget:
900Euro + 450 euro + 1000 euro + other small things ~ **2500-3000 euro**

Created on Jun 29, 2021
Last modified on Jun 29, 2021
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