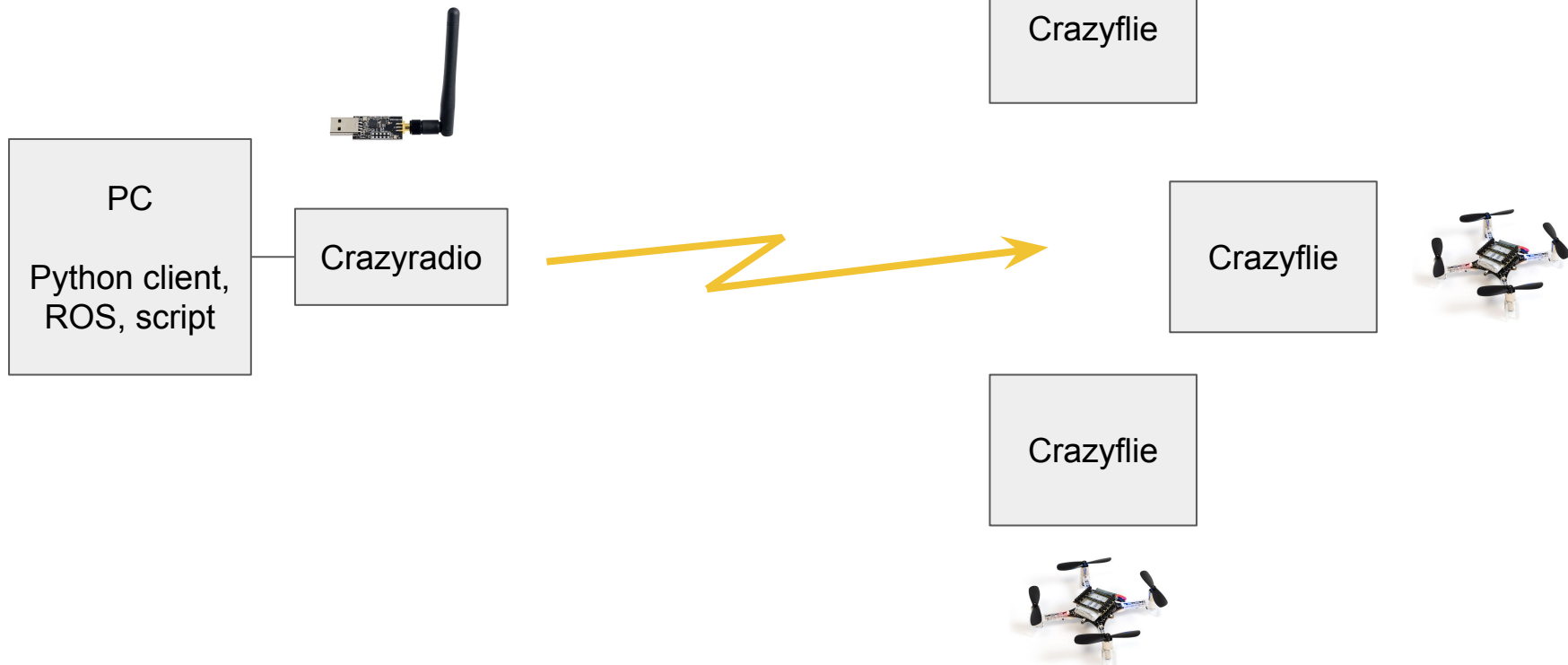


System overview

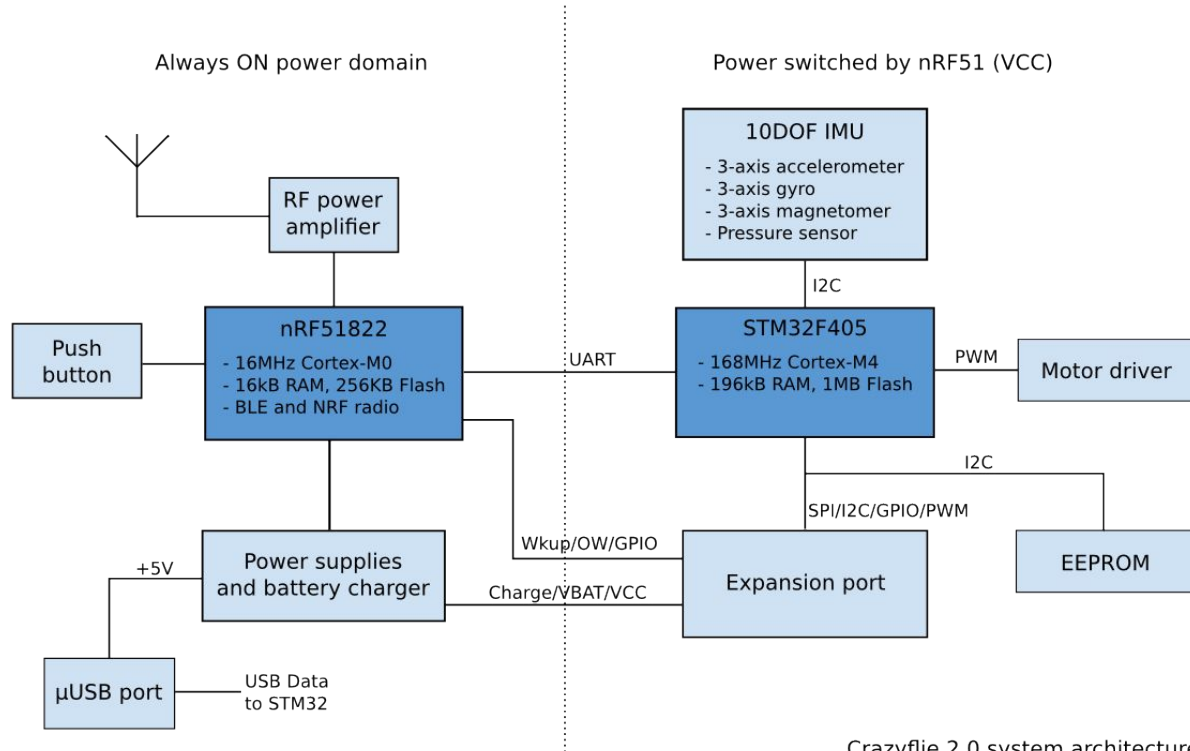
Goal

A general understanding of the Crazyflie architecture

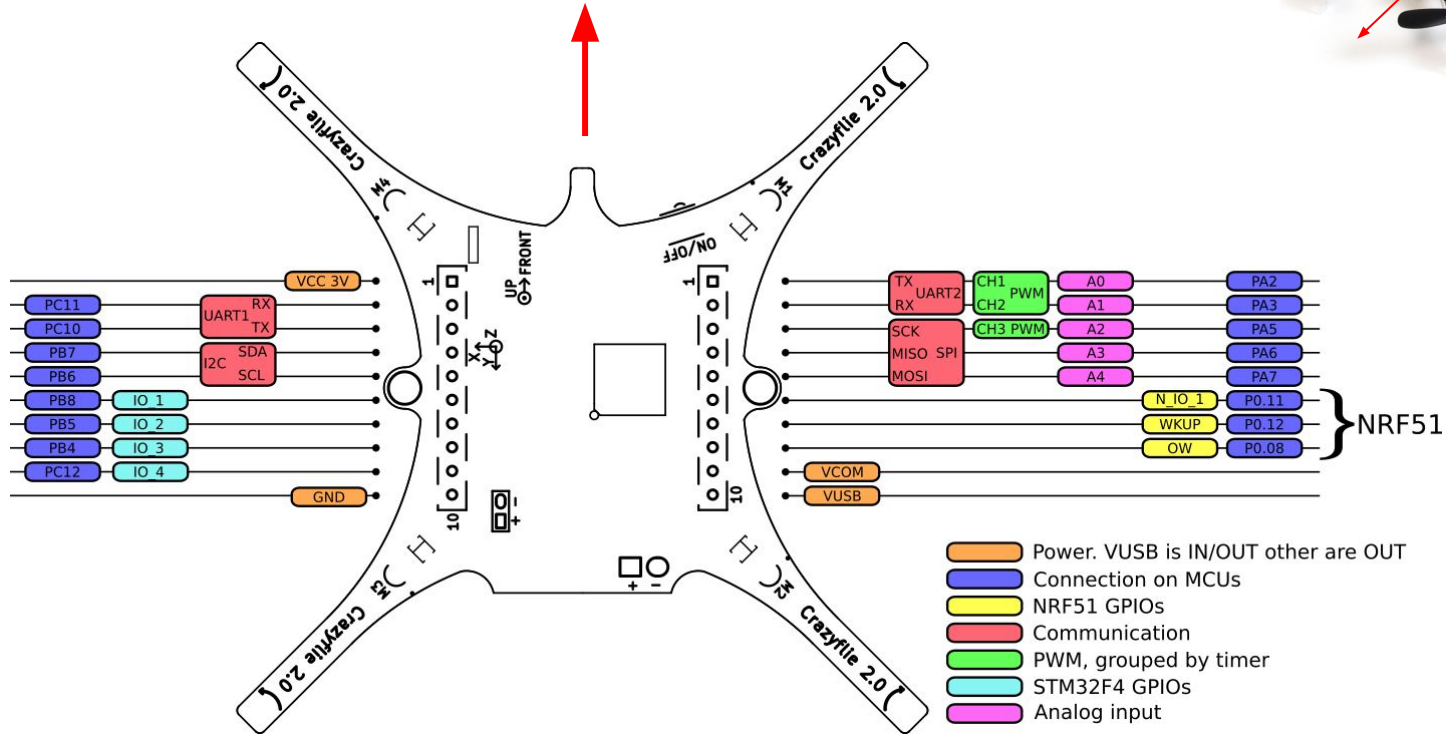
Base setup



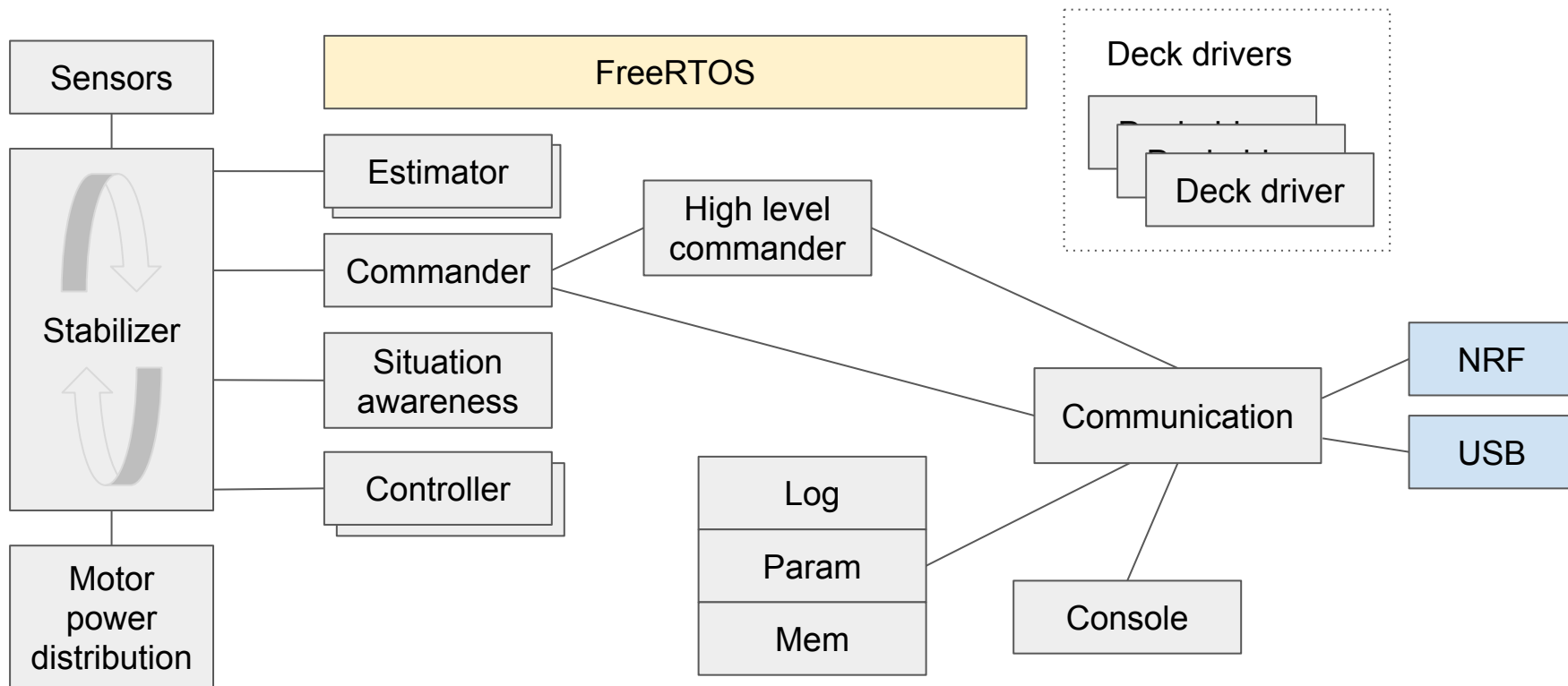
Crazyflie system architecture



Expansion bus

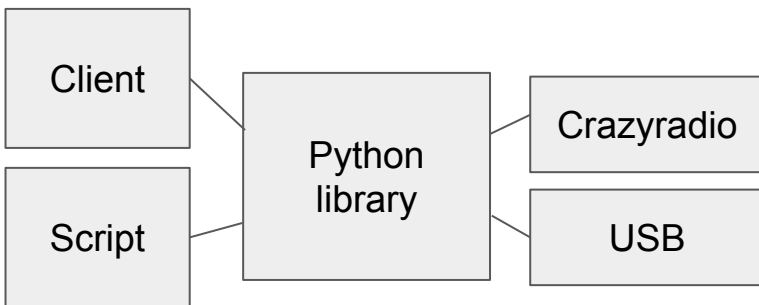


Crazyflie firmware overview

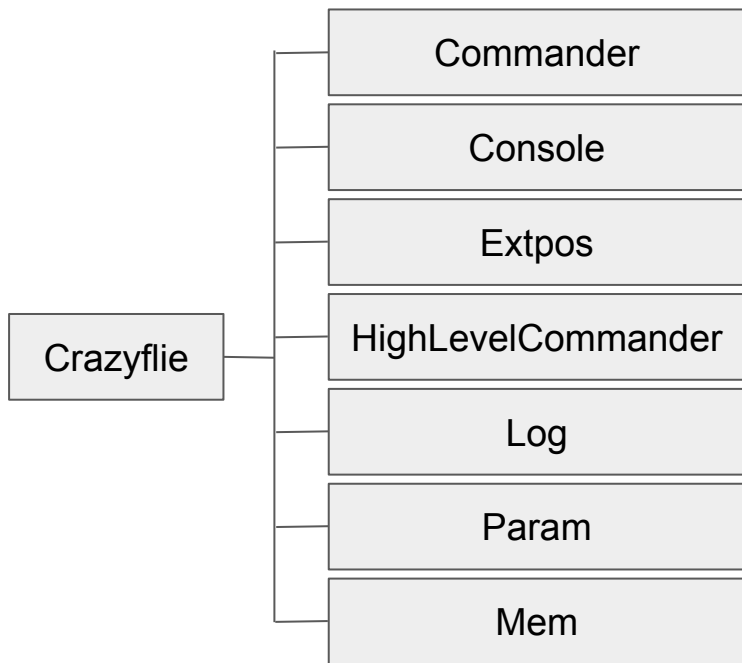


PC Python overview

- Python library handles communication with the Crazyflie via radio or USB
- Clients connect to the Crazyflie using the library
- Utility functions for using the Crazyflie
- The Python client uses the library
- Scripts usually use the library



Python library class overview



Wrappers for
synchronicity

SyncCrazyflie

SyncLogger

Swarm

Source code

Source code on github <https://github.com/bitcraze>

Conclusions

- The Crazyflie platform is an embedded system, with firmware in C
- Supporting library/client written in python, mapped to the functionality in the platform
- Communication using radio or USB