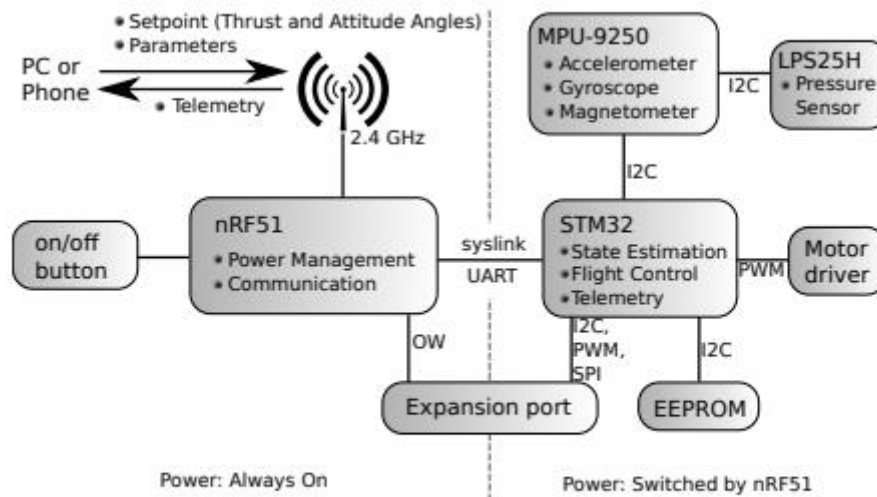


## # Drone components

The architecture is as follows (for 2.0 and 2.1 versions):



**Fig. 2.** Components and architecture of the Crazyflie 2.0 quadcopter. Based on images by Bitcraze AB.

- STM32F405: main microcontroller, used for state-estimation, control, and handling of extensions. (Cortex-M4, 168 MHz, 192 kB SRAM, 1 MB flash).
- nRF51822: radio and power management microcontroller. (Cortex-M0, 32 MHz, 16 kB SRAM, 128 kB flash).
- MPU-9250: 9-axis inertial measurement unit.
- LPS25H: pressure sensor.
- 8 kB EEPROM.
- uUSB: charging and wired communication.
- Expansion port (I2C, UART, SPI, GPIO).
- Debug port for STM32. An optional debug-kit can be used to convert to a standard JTAG-connector and to debug the nRF51 as well.