# Hardware

The indoor climate control system consists of several components which interact with each other. The hardware required is as follows:

1. STM32 Nucleo-64 development board with STM32F303RE MCU.
2. ETRX357 Zigbee module.
3. CM1106 CO2 sensor.
4. SHT20 temperature and humidity sensor.
5. IAQ-Core VOC sensor.
6. Optional extensions, i.e. a fan, multiple CO2 sensors or other humidity and temperature sensors.

A screenshot of a cell phone

Description automatically generated

*Wiring diagram of the indoor climate control system*