

My First Attempt Designing a Drone

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October 7, 2025

1 Overview

In this attempt, I will specifically focus on presenting the electronics and systems architecture design, rather than the full aerodynamics.

In particular, my design will include a flight controller (FC) and its peripherals, as well as a visual presentation of how they interact.

2 System Architecture

2.1 Component List

2.2 Flight Controller Choice

2.3 Sensor Suite

2.4 Power Flow

3 Schematic