



Modular Drone Frame Design 250g Class (3D CAD Kit)

Description

This **Modular Drone Frame CAD Kit** is engineered for 250g-class UAVs, offering a lightweight, 3D-printable solution with modular payload adaptability. Delivered as a complete digital design pack, this kit includes STL and STEP files, vibration-dampened mounts, and pre-drilled bays optimized for multirole drone development.

The Modular Drone Frame CAD Kit is specifically designed for compact aerial platforms that require structural flexibility without sacrificing durability. With optimized geometry for carbon-fiber-reinforced polymers, PLA, PETG, and CNC aluminum, this kit supports both rapid prototyping and field-ready builds. The modular architecture makes it ideal for sensor integration, mapping payloads, or long-endurance micro drones.

We have also included pre-drilled universal mounting slots, customizable arm extensions, and a center plate ready for stackable electronics. There is also a usage guide to assist with scaling and adaptation across different motor classes and flight stacks.

Whether you're an aerospace prototyping engineer, a DIY drone maker, or building for a commercial RPAS deployment, this CAD kit will reduce your design time and give you a professional structural foundation from day one.

Deliverables:

- **.STL, .STEP, .IGES files**
- Structural assembly guide (**PDF**)
- Licensing terms **PDF**

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