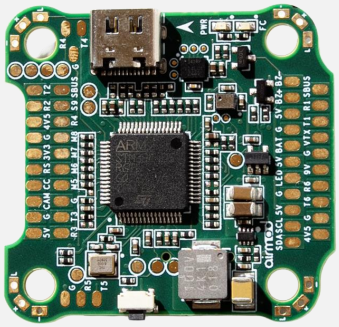
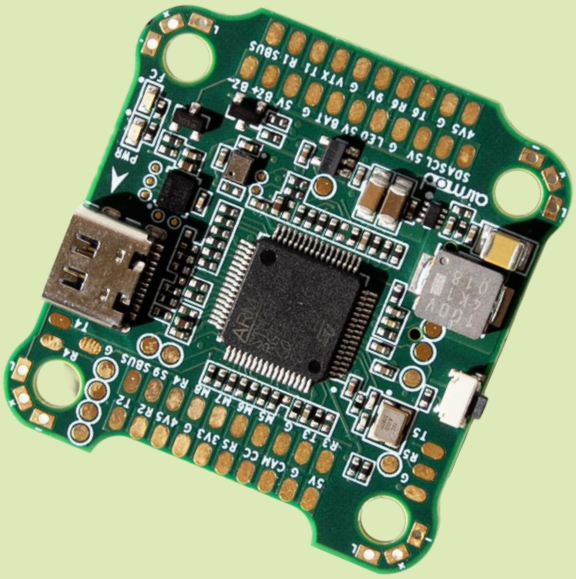


AIRDRONE FC-1F405

STM32F405 FLIGHT CONTROLLER

Designed & Manufactured in France

- **Beta Flight, INAV & ArduPilot support**
- **Micro SD connector**
- **6 UARTs & I2C available**
- **Built-in OSD chip**
- **Built-in IMU & Barometer**

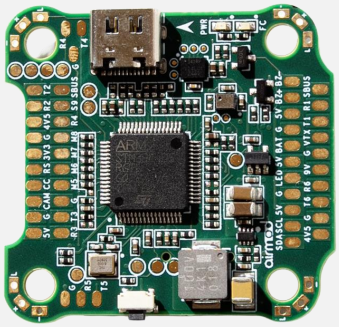


The Airmod Flight Controller FC-1F405 is a reliable, **designed and manufactured in France** flight control solution combining a STM32F405 processor, integrated sensors, and extensive interface capabilities, while maintaining a competitive cost structure.

The Flight Controller FC-1F405 features integrated barometer and OSD capabilities, on-board Blackbox logging, multiple configurable UARTs, and support for both Betaflight and INAV firmware.

Accessories available upon request.

S930001 V1.5



AIRDRONE FC-1F405

STM32F405 FLIGHT CONTROLLER

Designed & Manufactured in France

PROCESSING & SENSORS

- **MCU :** STM32F405
- **IMU :** (Gyroscope): ST LSM6DSK320X
- **Barometer :** DPS368
- **OSD Chip :** Integrated

MECHANICAL CHARACTERISTICS

- **Mounting Pattern :** 30.5 × 30.5 mm (M4)
- **Dimensions :** 41.6 × 39.4 × 7.8 m
- **Weight :** 10.5 g

CONNECTIVITY & INTERFACES

- **USB Port** : USB Type-C
- **Blackbox** : Micro SD card connector
- **UARTs** :
  - 5 user-configurable UARTs
  - 1 dedicated telemetry UART
- **I2C Interface** : SDA & SCL pads
- **RSSI Input** : Supported (RS pad)
- **ESC Signal Outputs** :
  - M1–M4 DSHOT (Airmod ESC ready)
  - M5–M8 (pad on front side)
- **Bluetooth & Wi-Fi** : not supported

USER I/O & MISCELLANEOUS

- **Betaflight Cam. Cont. Pad :** Supported
- **DFU Button :** Available
- **Buzzer Output** : BZ+ / BZ- pads (5V)
- **LED Pads** : 4
- **Betaflight LED Support** : WS2812 compatible
- **PWM Output**: 1

RADIO & VIDEO COMPATIBILITY

- **Radio Receiver Protocols** : SBUS, CRSF
- **Video Transmitter Support** : Compatible with analog and digital video transmission systems
- **Air Unit Connection** : Direct soldering

POWER

- **Current Sensor Input** : Supported
- **Power Input** : 3S–6S LiPo
- **Power Output**
  - **3.3V Output** : Up to 500 mA
  - **5V Output** : Up to 3 A
  - **9V Output** : Up to 3 A

FIRMWARE

- **Firmware** : Betaflight, INAV, ArduPilot

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