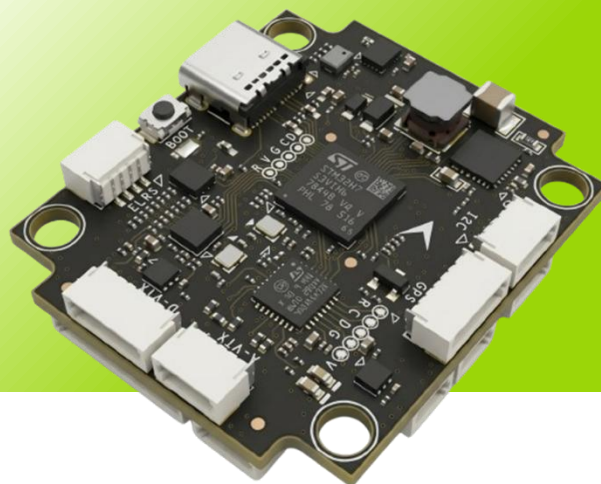


FPV Flight Controller

G-FH7

The G-FH7 FPV flight controller is designed for fixed-wing, UAV, and VTOL applications. Powered by the STM32H753 processor with a high-precision IMU and integrated sensors, it delivers accurate flight control.

The G-FH7 supports open-source firmware including Ardupilot, PX4, Betaflight, and iNAV. Its compact design fits small frames perfectly. Built on a premium IC solution, the G-FH7 delivers superior stability and expandability. In addition, the G-FH7 provides connectors rather than soldering points, eliminating the requirement for users to perform manual soldering. It is ideal for both hobbyists and professionals—unlocking ultimate flight freedom!



Key Features

- STM32H753 Flight Performance
- Supports Leading Open-Source Firmware
- Solder-Free Connector Design
- Built for Fixed-Wing, UAV & VTOL

Specifications

MCU	STM32H753VIH6 (480MHz, 2MB Flash, 1MB RAM)
IMU	Dual IMUs, ICM-42688-P / LSM6DSK320X
Barometer	DPS368
Compass	IST8310
OSD	Software-based analog OSD
Blackbox (Data Logger)	SD card
CAN Ports	1x CAN
UART Ports	7x UARTs (6x available by connectors, while 1x available by soldering pads)
PWM Outputs	9x PWMs (8x for motor; 1x for user defined)
ADC Inputs	3x ADCs
I2C Ports	1x I2C
LED Indicators	2x LEDs
Ethernet	RMII and PPS by connector (reserved for future use)
USB Interface	1x USB Type-C with DFU key on board
Static Power Consumption	110mA @5V
Input Voltage	Up to 12S Lipo
BEC Output	5V/3A and 12V/3A (Support power-saving mode)
Dimensions	36 x 42 x 8.63 mm, M4 mounting holes
Weight	10.6g

Interface Definition

