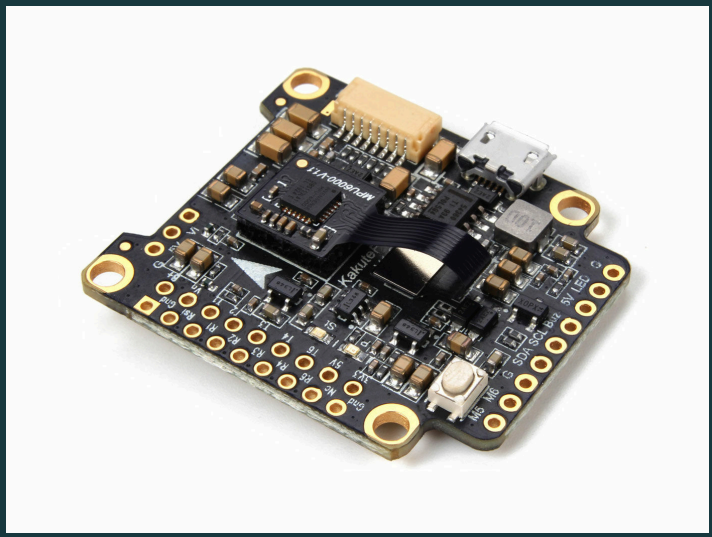
seeed studio

INDUSTRIAL PRODUCT DATASHEET

Holybro Kakute F7 Flight Controller

SKU	UPDATED	PRICE
102991195	2026-11-11 08:19:54	$45.00(Excl. VAT)



Key Features

01 **Supports Betaflight, Butterflight, and Cleanflight.**

02 **Betaflight OSD. Change PIDs, adjust common configuration parameters, and change video transmitter channel and power level, all using your transmitter sticks and goggles.**

03 **Soft-mounting built in. The IMU ("gyro") chip on this board is mounted on vibration-isolating foam. This means that there is no need to soft-mount the board itself.**

04 **High-performance / low-noise / high sensitivity IMU. ICM20689 with 6-axis gyro and accelerometer. Can run at up to 32 kHz sampling rate.**

05 **Ready for autonomous flight**

Integrated BMP280 barometer and SCL/SDA pads for use with external GPS/magnetometer units.

06 **2 oz. copper PCB allows up to 120A maximum continuous current.**

07 **Dedicated bootloader button for easy firmware flashing.**

08 **Low-profile design fits into even very compact frames.**

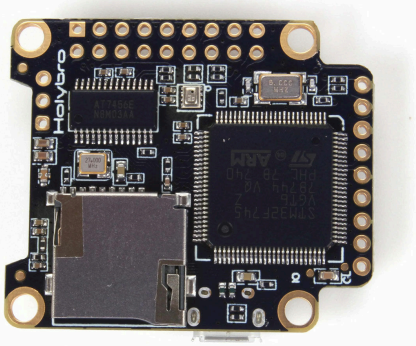
09 **Input voltage 7v to 42v. Power the board directly from the flight pack, up to 6S (on "B+" pad only).**

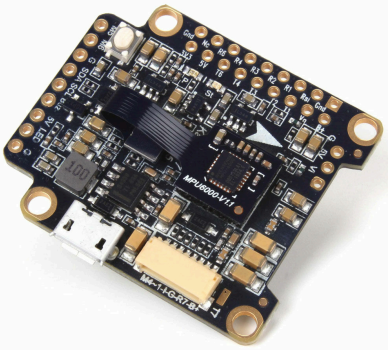
10 **Automatic voltage monitoring. No need to run a separate vBat wire for voltage monitoring; the Kakute F7 monitors voltage directly from the power supply.**

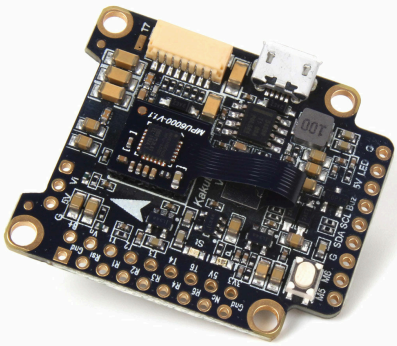
11 **Filtered voltage output for clean, noise-free video. On-board regulators output 5v at up to 2 amps and 3.3v at up to 200 mA to power peripherals such as receiver, video transmitter, FPV camera, or LED strip.**

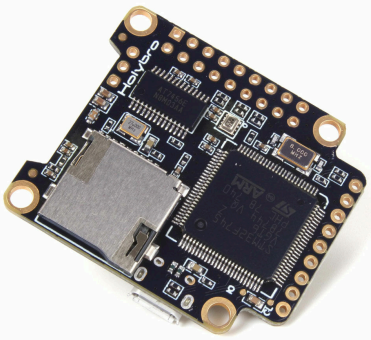
12 **Supports BLHeli pass-through for easy ESC upgrade and configuration.**

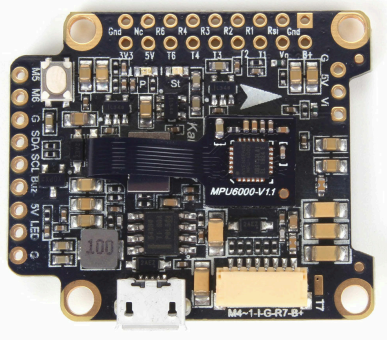
Product Gallery

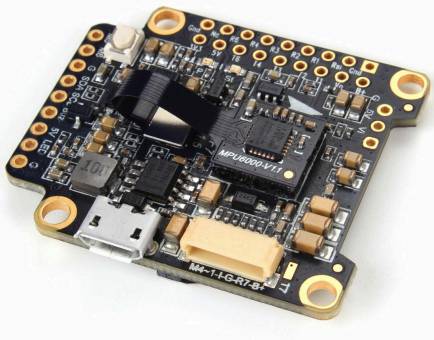












Resource Links

- https://www.seeedstudio.com/Holybro-Kakute-F7-Flight-Controller-p-4060.html
- http://www.holybro.com/manual/Holybro_Kakute_F7_Manual.pdf
- https://shop.holybro.com/kakute-f7-atlatl-hv-v2-stack_p1106.html
- https://shop.holybro.com/kakute-f7-amp-tekko-32-4in1-esc-blheli-32-combo_p1107.html
- https://shop.holybro.com/kakute-f7-amp-atlatl-hv-v2-amp-tekko-32-4in1-esc-blheli-32-combo_p1108.html

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