

Kontroler lotu iFlight Beast FC F7 ESC 55A V2 AIO 25.5x25.5



Cena brutto	499,99 zł
Cena netto	406,50 zł
Dostępność	Aktualnie niedostępny
Czas wysyłki	1 - 3 dni
Kod producenta	B011053
Producent	iFlight

Opis produktu

Kontroler lotu iFlight Beast FC F7 ESC 55A V2 AIO 25.5x25.5

Product Description

What if you could get the combined MCU speed and ESC power of a big stack, but carefully arranged on a 25x25 whoop size board? That would be crazy right? Well, we just did it...

This is our new iFlight BEAST series AIO FCs for your ultimate build. A future proof all-in-one FC to step up the game and make some more room for future flight firmware development like Betaflight, Emuflight etc. Lightweight, minimum size, minimum work. This could only be achieved by using BGA chipsets instead of ordinary QFP (big size) MCUs and ultra powerful Mosfets for almost any build. Solder your motor wires on and let's go! DJI Plug&Play plug and so many UARTs most people wouldn't even use em' all. Compatible to digital and analog FPV, onboard Barometer for possible long range flights and much more. Unleash the beast!

Top Features:

- Vista digital system Plug-and-Play (VBAT passthrough)
- MCU: BGA-STM32F745, 216MHz
- OSD: AT7456E
- Gyro: BMI270
- Blackbox: 16MB Onboard Flash
- BEC output: 5V 2.5A
- Barometer: DPS310

*Barometer can only be used with Betaflight 4.3.0 and above!

Changelog:

V1.2-V2: Updated some circuit improvements implemented.

Safety reminder:

The DJI plug&play port has no voltage regulator (BEC) and is passing through VBAT. The Caddx Vista goes up to 26.4V (6S), the DJI Air Unit goes up to 17.6V (4S). Make sure not to plug-in your DJI Air Unit directly when you're flying 6S, because this would fry it! BEC to add for your 6S build can be found here: https://shop.iflight-rc.com/index.php?route=product/product&product_id=747

Small motor 4S builds should usually need an additional capacitor of at least 16V/220uF, for 6S go up to 35V or even 50V. Bigger motors have a bigger current draw, higher voltage spikes and more serious back EMF (motor braking, works like a generator). Make sure to add big enough or even bigger low ESR capacitors on the AIO battery pad or on your battery lead the more aggressive motors you fly. There's a choice of capacitors in the package, but it's never a bad idea to make sure to protect your board. Smaller boards have less capacitance which has to be covered with external capacitors, there's no way around.

FC // Beast F7 AIO

Specification:

- MCU: BGA-STM32F745
- Gyro: BMI270
- Blackbox: 16MB Onboard Flash
- BEC output: 5V 2.5A
- Barometer: DPS310
- Connector: Micro-USB
- OSD: IFLIGHT OSD (AT745E?)
- FC Firmware: IFLIGHT_F745_AIO_V2
- Mounting pattern: 25.5*25.5mm ?3mm
- Dimensions: 32.5*32.5mm
- Weight: 8.5g

ESC // 55A 2-6S

Specification:

- Uarts: 5
- Current Sensor: Yes
- Input: 2-6S LIPO
- Current scale: 100
- Constant: 55A / Burst: 60A
- BLHeli: BLHeli-S
- Telemetry: no
- ESC Firmware: G-H-30 BLS
- Mounting pattern: 25.5*25.5mm/?3mm
- Dimensions: 32.5*32.5mm

Package Includes:

- Beast F7 AIO x 1
- Capacitor 470uF/16V x 1
- Capacitor 470uF/35V x 1
- XT60 16AWG cable 100mm x 1
- XT30U 18AWG cable 70mm x 1
- 14AWG Silicone Cable Red 100mm x 1
- 14AWG Silicone Cable Black 100mm x 1
- 1.0-7P cable 50mm-28mm x 1

-1.0-7P cable 50mm x 1

- M2 silicon grommets x 4

- M2*12mm screws x 8

- M2 Transparent Nylon Nut x 8

- 0.8mm black Heat shrink tube 10mm x 8

SCHEMAT POŁĄCZEŃ

[Link do schematu na stronie producenta](#)

IFLIGHT Beast F7 55A AIO V2 Wiring Diagram



