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Link do produktu: <https://www.nobshop.pl/kontroler-lotu-speedybee-f405-aio-40a-bluejay-255x255-3-6s-p-4681.html>



Kontroler lotu SpeedyBee F405 AIO 40A Bluejay 25.5x25.5 3-6S

Cena brutto	239,99 zł
Cena netto	195,11 zł
Dostępność	Aktualnie niedostępny
Czas wysyłki	1 - 3 dni
Kod producenta	F4-40A-AIO
Producent	SpeedyBee

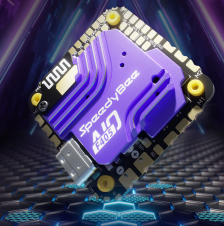
Opis produktu

Kontroler lotu SpeedyBee F405 AIO 40A Bluejay 25.5x25.5 3-6S

Speedy Bots

F405 AIO

Compactly Crafted, Value Unmatched.

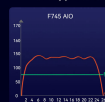


What Defines Unbeatable Value? Let's Get Straight to the POINT!

- ESC Performance Upgrade:** 7.5V brushless ESCs with 20A current limit and 100% duty cycle.
- Wireless Configuration 2.0:** App-based wireless configuration for motor direction, throttle, and more.
- Microcontroller:** STM32F405 MCU.
- Upgraded Receiver:** 2.4GHz FHSS receiver with 1000Hz channel spacing.
- Eye-IT:** Intelligent eye-tracking system for FPV.
- Soldering Practice Board:** Pre-soldered components for learning.
- Larger Solder Pads:** Easier soldering for components.
- Plenty Of Functional Pads:** Numerous pins for expansion.

40A Powerful Current, Reliable Performance


With a quartet of 33 μ m, the combined output of the four ESCs reaches 40A with a peak of up to 100A. Equipped with aluminum heat sinks, on-board TVS diodes, and Rubycon high-frequency low ESR capacitors, it efficiently handles 4.2" and 4.5" 1000KV 6" FPV builds, supporting 1000-210A brushless motors. Runs on Bluejay firmware and supports bi-directional Dshot.



*F405 AIO provides 20A more current output than F745 AIO.

App-Based Wireless Configuration 2.0
More Features, More Fun!

- Wireless BOOT Button:** Eliminates assembly mistakes. Click the BOOT button in the app to enter BOOT mode, ready you for the "Button" of assembly procedure.
- All wirelessly:** Full-featured tuning, firmware upgrades, and motor direction adjustments. Control by configuration, firmware and motor direction adjustments wirelessly.

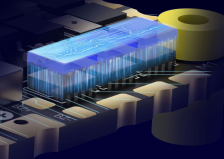


Using APP to control the motor, it's easy to manually control motor direction during flight.

Control configuration is the simplest software operation for a wireless configuration procedure!

Motor LED Function
Customize Your Own Style

Motor LED function is supported. Includes MC for voltage regulation. *LED pins need to be pre-soldered separately.



STM32F405 MCU, More Powerful Than F411, More Compatible Than G4

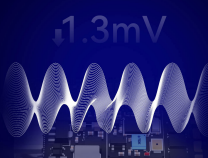
Model	Frequency	Flash
STM32F405	168MHz	1MB
STM32F411	100MHz	512KB
STM32G474	170MHz	512KB

*SpeedyBots F405 AIO supports Betaflight and NAVFlight.
*A higher frequency means stronger performance, larger flash memory, and greater compatibility for program functionalities.

Equipped with ICM-42688 Gyroscope
Hardware filtering further enhanced!

With independent LED power supply and 100Hz update rate up to 100Hz, output ripple is reduced to just 1.3mV. This boosts gyroscope accuracy and enhances flight stability.

1.3mV



Equipped with New SPA06-003 Barometer
Precision further improved!
 Barometric measurement accuracy increased to 0.5%, relative pressure accuracy improved to $\pm 0.03\text{hPa}$, equivalent to $\pm 0.25\text{m}$.



Rich Accessories for Easier Assembly

Included Soldering Practice Board
 Practice Before Soldering for Beginners
 Scan the QR code for a step-by-step soldering tutorial.

Comes with a BEC Module
 Supports Switchable 5V & 3V Output
 Output Current up to 1A (max)

Included TYPE-C Extension Module
 AIO Cable with USB Solder Pads
 Supports 1000mA

Power Expansion Board
 Provides one power output to your project & one to power your device to prevent power drops to power sensitive systems.

Larger Pads, Easier to Solder

Board frame reduced to 31*31mm.
 Solder pads are 30% larger than the previous F745 AIO.

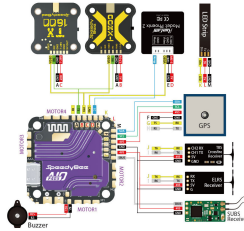
30%
 Compared to F745 AIO, solder pads are 30% larger.

20%
 Compared to F745 AIO, volume is reduced by 20%.

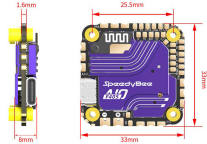


Ample Functions & Pads, More Playability!

Comes with 3 sets of 5V solder pads, 2 sets of 4V/5 solder pads, 4 UARTs, 1 magnetometer solder pad, DJI VTX direct socket, etc. Optimized pad layout, compatible with mainstream device pinouts, enabling more play styles for you to explore!



Dimensions



Package

Solderless PCB 1x1	Soldering Practice Board 1	5V & 3V Output Expansion Module 1
BEC Module 1	Type-C Extension Module 1	Power Expansion Board 1
AIO Cable with USB Solder Pads 1	GPS Module 1	Magnetometer Solder Pad 1
User Manual 1	5V & 3V Solder Pads 1	4V/5 Solder Pads 1
Transparent Heat Shrink Tube 1	100 Ohm Resistor 1	Capacitor Heat Shrink Tube 2

Specyfikacja:

MCU: STM32F405,
Żyroskop: ICM-42688P,
USB Port Type: Type-C
Barometr: SPA06-003,
OSD: Obsługuje,
Bluetooth BLE: Obsługuje,
Bezprzewodowa aktualizacja FC: Obsługuje (bez użycia przycisku "BOOT"),
Bezprzewodowy dostęp do danych z blackbox: Nie obsługuje,
Metody połączenia DJI Air Unit: 6-pinowe złącze / pady do lutowania,
DJI SkyPort 6-pin: Obsługuje, do bezpośredniego przylutowania,
Pamięć blackbox: 8MB,
Pady Betaflight CC: Obsługuje (do zmiany ustawień kamery),
Napięcie zasilania: 3S-6S (akumulator LiPo),
Wyjście 4V5: Dwa wyjścia 4V5; łączny prąd 1A,
BEC 5V: Trzy wyjścia 5V; łączny prąd 2A; współdzielony z 4V5,
BEC 9V: Brak (w zestawie jest zewnętrzny BEC, z możliwością przełączenia między 5V a 9V; łączny prąd 2A),
UARTy: 4 w pełni funkcjonalne porty (UART3, UART4, UART5, UART6 + SBUS[R2]),
Telemetria ESC: Brak,
I2C: Obsługuje,
Pady LED: Obsługuje, używane do sterowania diodami LED WS2812,
Pady buzzera: Obsługuje, BZ+ i BZ-,
Przycisk BOOT: Obsługuje, naciśnij i przytrzymaj przycisk BOOT podczas włączania zasilania, aby przejść do trybu DFU,
Pady RSSI: Brak,
SmartPort: Nie obsługuje,
Wspierane oprogramowanie FC: BetaFlight (domyślnie), INAV,
Firmware Target: SPEEDYBEE F405AIO,
Mocowanie: 25.5 x 25.5mm, otwory 2mm,
Wymiary: 33.0mm x 33.0mm x 8mm,
Waga: 13.6g (z radiatorem)

Specyfikacja ESC:

Napięcie zasilania: 3S-6S (akumulator LiPo),
Prąd ciągły: 40A,
Prąd chwilowy: 45A (10s),
Protokół ESC: Wspiera DSHOT600/300 (inne protokoły mogą wywoływać problemy),
Napięcie wyjściowe: Napięcie akumulatora VBAT (używane do zasilania kontrolera lotu),
Czujnik prądu: Posiada (Skala = 254, Offset = 0),
Oprogramowanie ESC: Bluejay JH-40 48kHz