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Link do produktu: <https://dronexpert.eu/speedybee-stack-f7-v2-4x45a-p-14982.html>

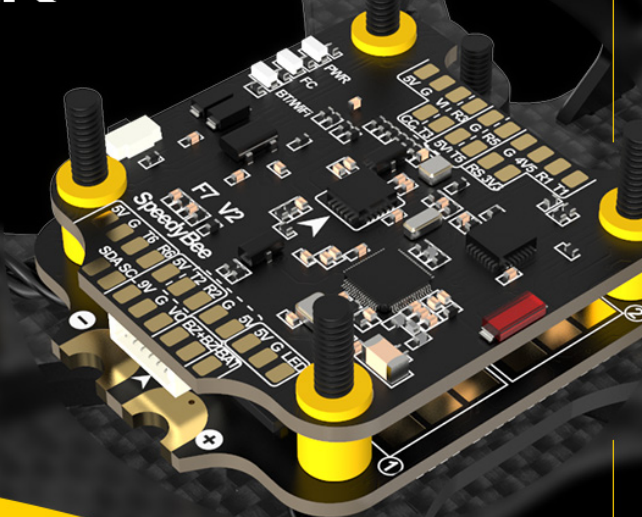


SpeedyBee STACK F7 V2 4x45A

Cena brutto	649,00 zł
Cena netto	527,64 zł
Dostępność	Aktualnie niedostępny
Producent	SpeedyBee

Opis produktu

SPEEDYBEE
STACK



**WORLD'S FIRST
WIRELESS**

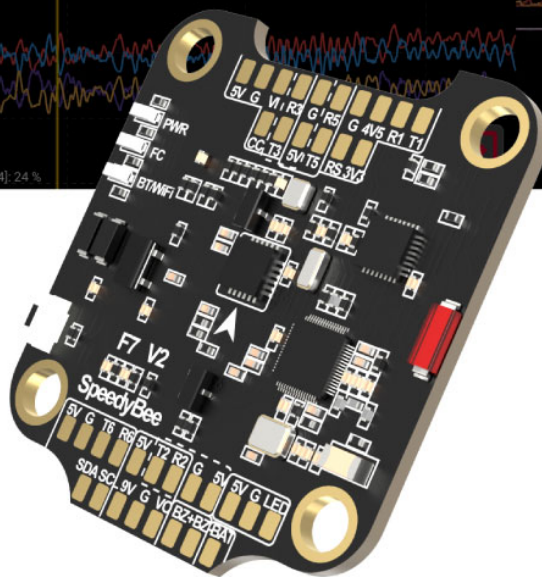
**FIRMWARE FLASHER
BLACKBOX ANALYZER**

- FC: Wireless firmware flasher
- + Blackbox Analyzer
- + BF/INAV/EMU full configuration
- ESC: True 45A BLHeli32 4-in-1 ESC

SPEEDYBEE F7 V2

World's first FC with wireless firmware flasher
and blackbox analyzer access

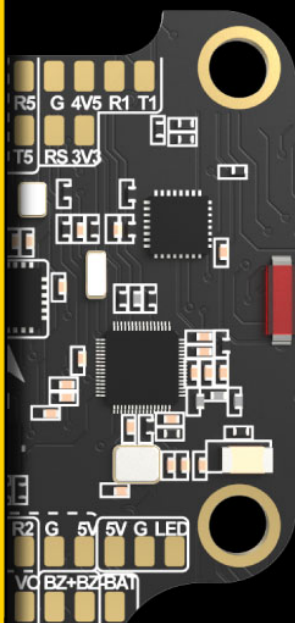
- Flash firmware wirelessly
- Analyze Blackbox data wirelessly
- Set motor directions on BLHeli_32/S wirelessly
- BF/INAV/EMU full configuration
- Built-in Wi-Fi & Bluetooth



FLASH THE LATEST FIRMWARE WIRELESSLY

Built with WiFi + Bluetooth two-in-one chip.

With WiFi connection, upgrade your FC firmware
using your smartphone in just 90 seconds and send it!



FC Firmware Flasher

Step 3/3 - Flash Firmware



Please don't exit the App, otherwise, it will
interrupt the flashing process and the flight
controller will not start.

Firmware flashing... (26%)

ANALYZE YOUR BLACKBOX DATA ANYTIME, ANYWHERE

Tune your quad whenever you want to. Land it, take your smartphone out, and access your Blackbox data in just one minute. No laptop, no wires, no mess.



WHO NEEDS A LAPTOP TO CHANGE MOTOR DIRECTIONS?



Broken motor? Solder it up,
take your smartphone out,
and configure your motor
direction wirelessly with
the latest SpeedyBee app -
now supporting
BLHeli_32 ESCs.

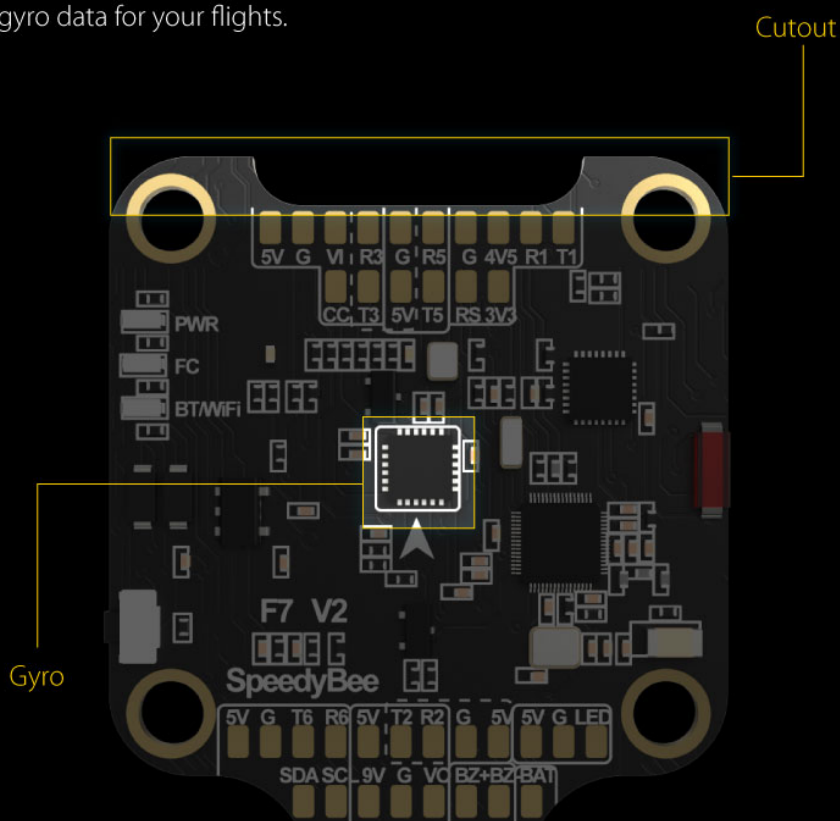
WIFI + BLUETOOTH = BEST OF BOTH WORLDS

Use Bluetooth for quick access to your firmware configurator,
or switch to Wi-Fi to flash firmware or download Blackbox data.
Just plug in your LiPo to switch on the wireless connection,
and arm your quad to switch it off. It's that simple.



MADE TO PERFECTION, FOR THE NEXT CHAMPION

Designed with 22mm cutouts for FPV camera on both FC and ESC boards for the most compact racing frames, and the gyroscope is placed at the centre of the board ensuring the most accurate gyro data for your flights.



SAY GOODBYE TO YOUR LAPTOP. ALL YOU NEED IS SPEEDYBEE F7 V2.



Whether you're at home or at the field, your SpeedyBee F7 V2 is ready for you all the time.

Configure your newly built quad wireless, or fine tune your PIDs, access your blackbox data, and configure any other parameters in between flights in just a few minutes.

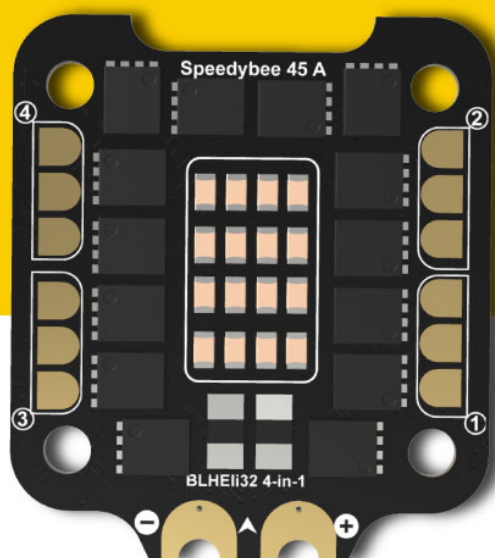
Forget your laptop. With SpeedyBee F7 V2, you can configure your FC conveniently with your smartphone.

SPEEDYBEE

45A 4-IN-1 ESC

Real 45A output. Real Performance

- ★ 45A continuous output
- ★ 55A burst output
- ★ 2-6S input
- ★ BLHeli_32 Dshot 600/1200
- ★ 21 filtering capacitors

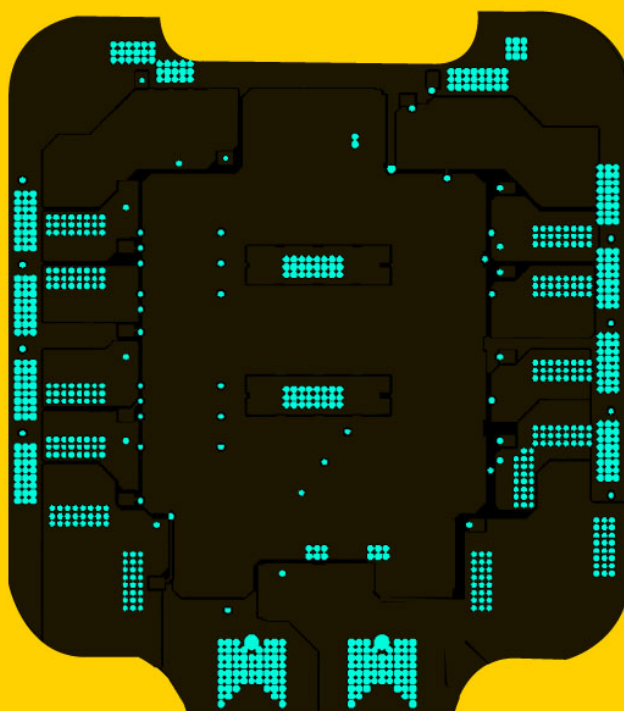


WHEN WE SAY 45A, WE MEAN IT.

Built with the finest components, our latest flagship ESC is nothing but pure performance. Real 45A output, ready for your baddest 6S motors.

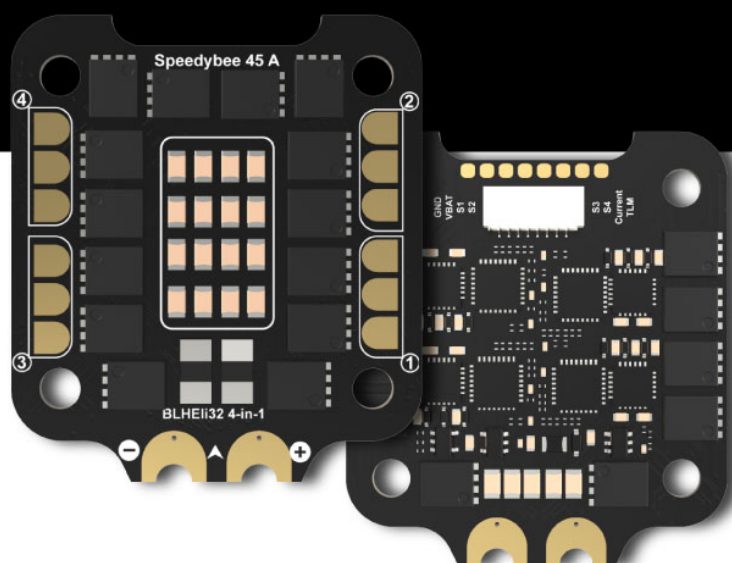
811 VIA HOLES ACROSS THE BOARD.

Designed with 811 via holes optimizely positioned for
lightning fast current flow across the board.

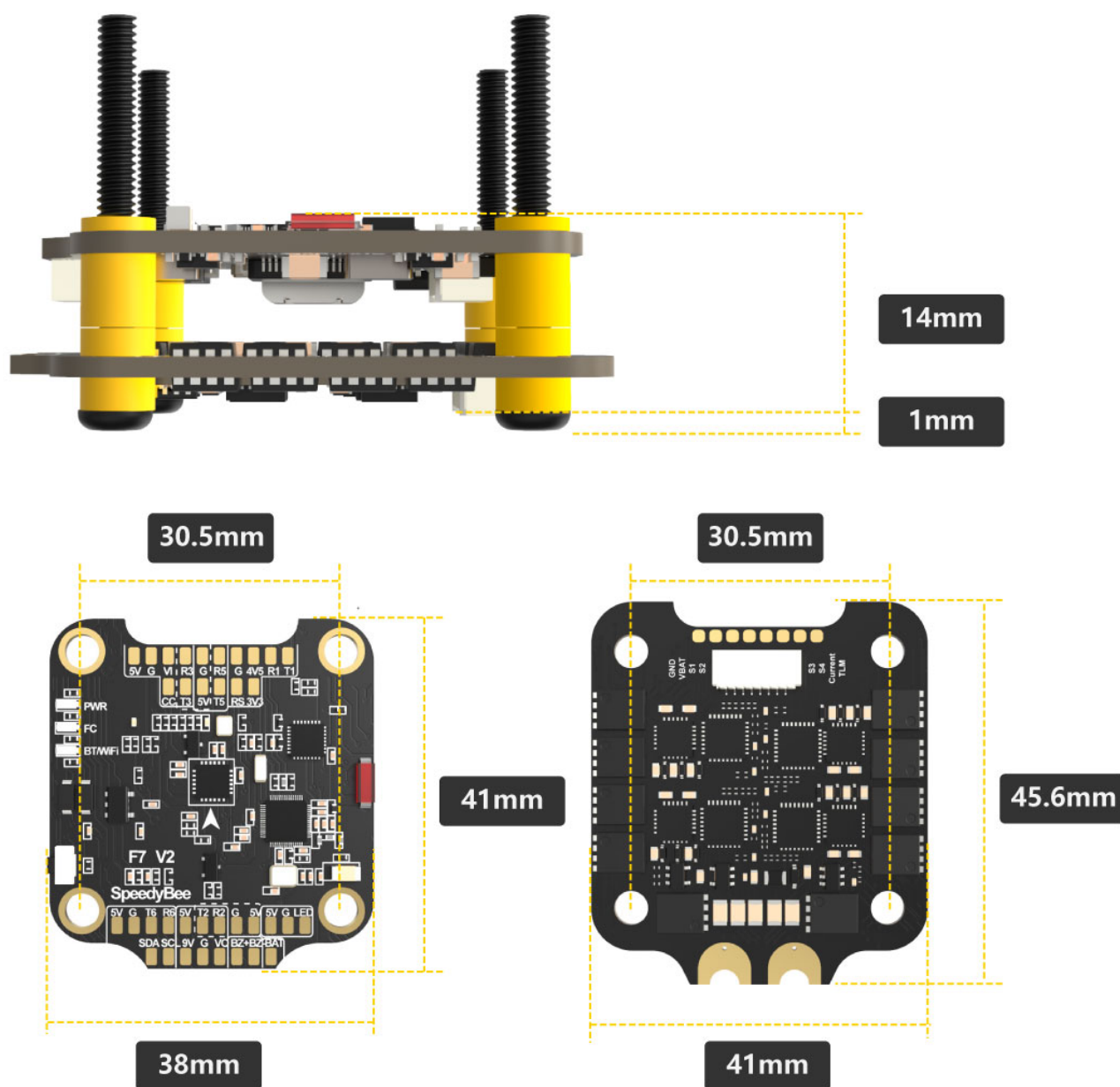


21 CAPACITORS FOR CLEANER POWER.

Why put 20 capacitors when you can put 21? Enjoy the raw power of your full throttle noise-free.



Layout





- **Bluetooth/WiFi Chip:**

- 1 Bluetooth for FC configuration
- 2 WiFi for data transfer -firmware flashing and Blackbox analysis

- **Green Light: WiFi/Bluetooth status**

- 1 Blinking: ON but not connected.
- 2 Solid: ON and connected to the app.

- **8P JST Connector: to ESC**

- **MCU: STM32F722**

- Flash: 16MB for Blackbox

- **USB: TYPE-C**

- **OSD: AT7456E**

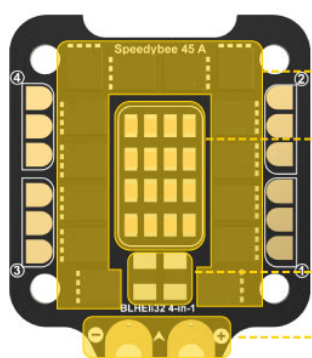
- **BEC: 5V 2A + 9V 2A**

- **6P JST Connector: to DJI HD system**

- **UARTs: 5 sets**

- **Firmware Support: Betaflight/Emuflight**

- **Target Name: SPEEDYBEEF7V2**

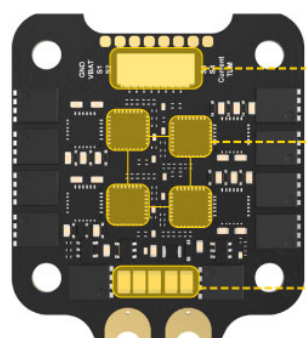


• **MOSFET: NTMFS5C430NL x 14**

• **Filtering Caps: 47uF x 16**

• **Ammeter**

• **Input Voltage: 3~6S LiPo**



• **8P JST Connector: to FC**

• **MCU x 4**

• **Filtering Caps: 47uF x 5**

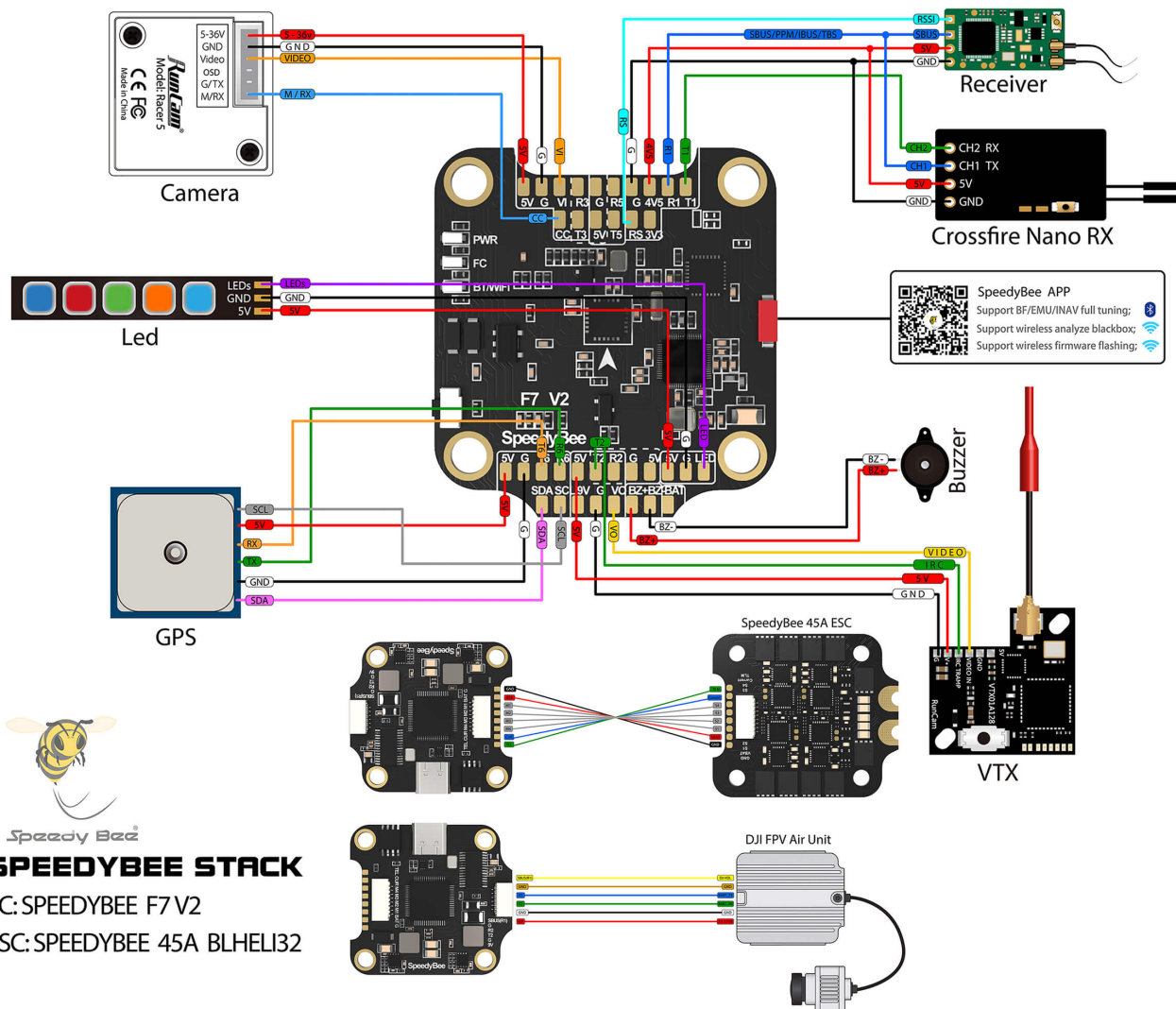
• **Continuous Current: 45A x 4**

• **Burst Current: 55A(10S)**

• **Firmware Name: SpeedyBee 4in1**

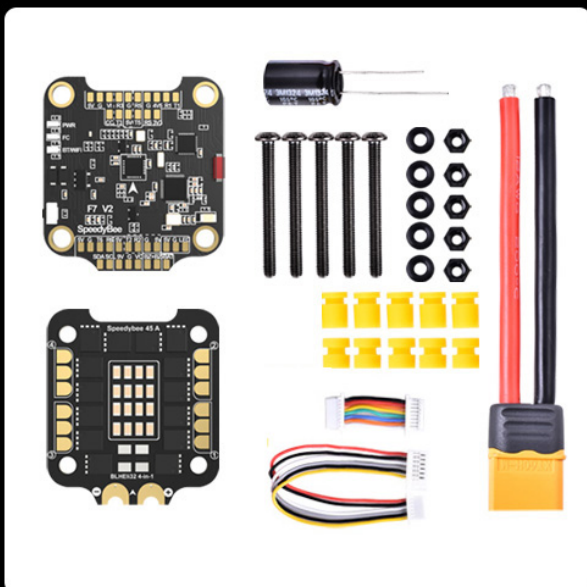
• **ESC Protocol: DSHOT300/600/1200**

Wiring Guide



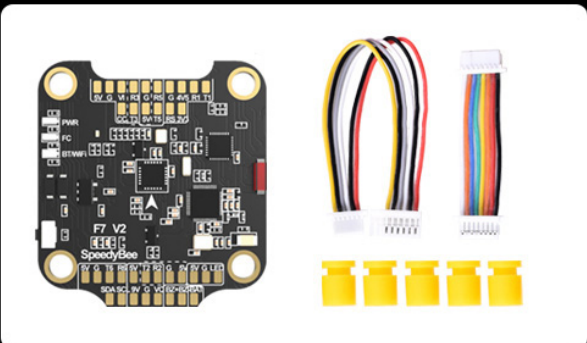
Package

Option 1 - SpeedyBee Stack



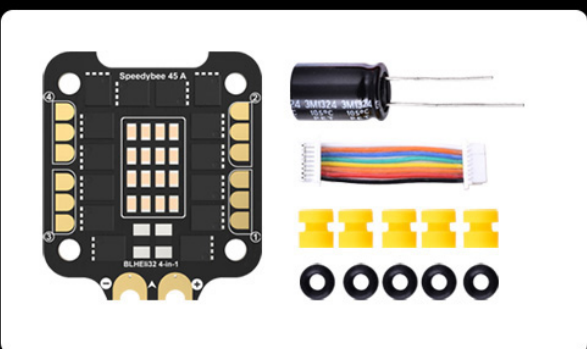
- SpeedyBee F7 V2 FC x 1
- SpeedyBee 45A ESC x 1
- 35V 470uF Capacitor x 1
- XT60 Power Cable x 1
- JST 8PIN Cable(15mm) x 1
- DJI 6PIN Cable(80mm) x 1
- M3*30mm Inner-hexagon Screws x 5
- M3 Nylon Nuts x5
- M3 silicone O Rings x 5
- M3*8mm Anti-vibration Silicone Grommets x 5
- M3*6.6mm Anti-vibration Silicone Grommets x 5

Option 2 - SpeedyBee F7 V2 Flight Controller



- SpeedyBee F7 V2 FC x 1
- JST 8PIN Cable(30mm) x 1
- DJI 6PIN Cable(80mm) x 1
- M3*8mm Anti-vibration Silicone Grommets x 5

Option 3 - SpeedyBee 45A ESC



- SpeedyBee 45A ESC x 1
- 35V 470uF Capacitor x 1
- XT60 Power Cable x 1
- JST 8PIN Cable(30mm) x 1
- M3 silicone O Rings x 5
- M3*6.6mm Anti-vibration Silicone Grommets x 5

SpeedyBee F7V2 Specifications	MCU	STM32F722
	IMU	MPU6000
	USB	Type-C
	Baro	BMP280 (I2C)
	OSD	BetaFlight OSD w/ AT7456E chip
	BLE	Support, used for Flight Controller configuration
	WiFi	Support, used for data transfer, e.g firmware flashing, and Blackbox analysis.
	DJI Air Unit slot	A full DJI Air Unit JST slot onboard
	BlackBox	16MB onboard dataflash
	Current Sensor	1 : 10 (Scale 168)
	BetaFlight Camera Control Pad	Yes
	Power input	3S - 6S Lipo
	5V power output	7 * 5V output, 6 pads and a BZ+ pad used for Buzzer,
		the maximum load current is 2.5A. 9V * 1,
		the maximum load current is 2.5A.
	9V power output	2 * 9V output, 1 pads and another one used for DJI slot
	4.5V power output	1 * 4.5V output pad
	3.3V power output	1 * 3.3V output pad,
		the maximum load current is 500mA.
	ESC signal	M1 - M4
	UART	Full UART * 5(UART1, UART2, UART3, UART5, UART6)
	ESC Telemetry UART	UART4 RX
	I2C	Used for external Magnetometer, Sonar, etc.
	LED pin	Used for WS2812 LED
	Buzzer	BZ+ and BZ- pad used for 5V Buzzer
	Boot button	Used to easy enter DFU mode
	RSSI input	RSSI input solder pad
	SmartPort	Use any TX pad of UART for the SmartPort feature.
	Support Flight Controller Firmware	BetaFlight(Default), EMUFlight
	Target name	SPEEDYBEEF7V2
	Mounting	30.5 x 30.5mm, 4mm hole size
	Dimension	41 x 38 x 6.9mm
	Weight	9g
SpeedyBee BLHeli32 45A 4 in 1 ESC Specifications	Firmware	BLHeli32 SpeedyBee 4in1
	Continuous Current	45A * 4
	Burst Current	55A(10S)
	ESC Protocol	DSHOT300/600/1200
	Power input	2S - 6S LiPo
	Power output	VBAT
	Current Sensor	Support (Scale 168)
	ESC Telemetry	Support
	Mounting	30.5 x 30.5mm, 4mm hole size
	Dimension	41 * 45 * 6.5mm
	Weight	12.5g