Dane aktualne na dzień: 26-11-2026 11:01

Link do produktu: https://www.nobshop.pl/kontroler-lotu-speedybee-f405-wing-app-p-3948.html

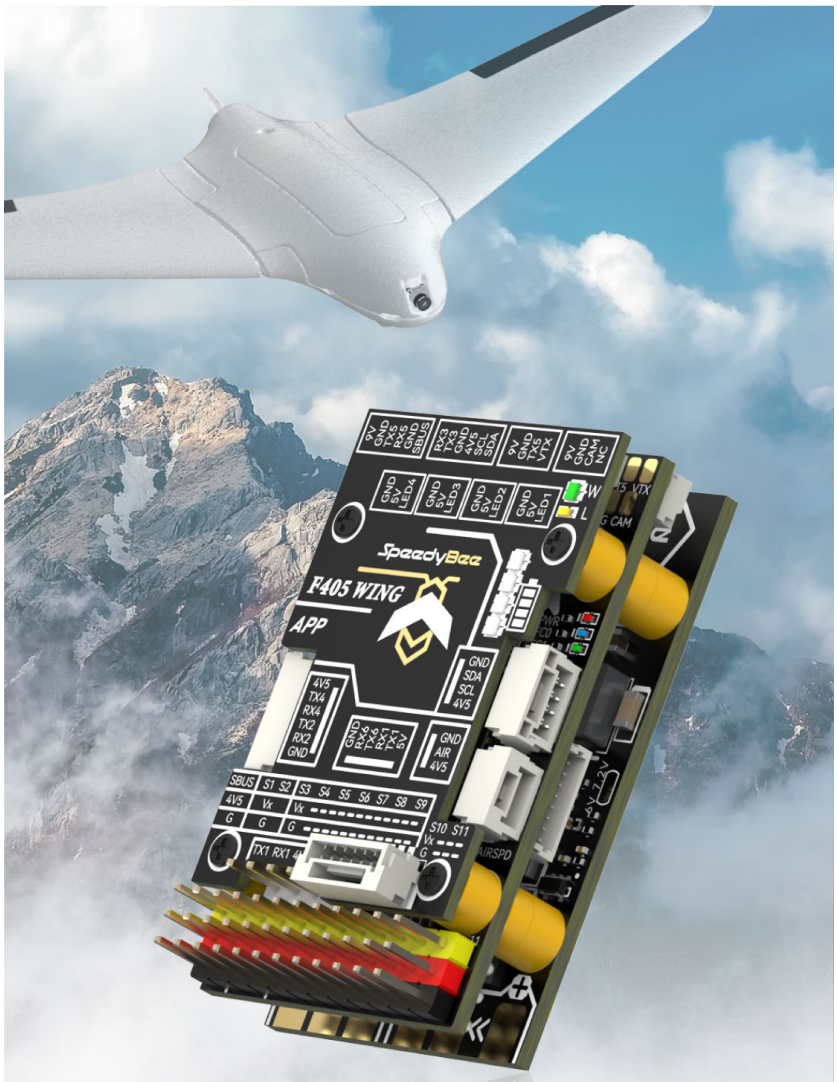


Kontroler lotu Speedybee F405 wing APP

Cena brutto	**179,99 zł**
Cena netto	**146,33 zł**
Dostępność	**Aktualnie niedostępny**
Czas wysyłki	**1 - 3 dni**
Kod producenta	**SB-F405WING-APP**
Producent	**SpeedyBee**

Opis produktu

Kontroler lotu Speedybee F405 wing APP



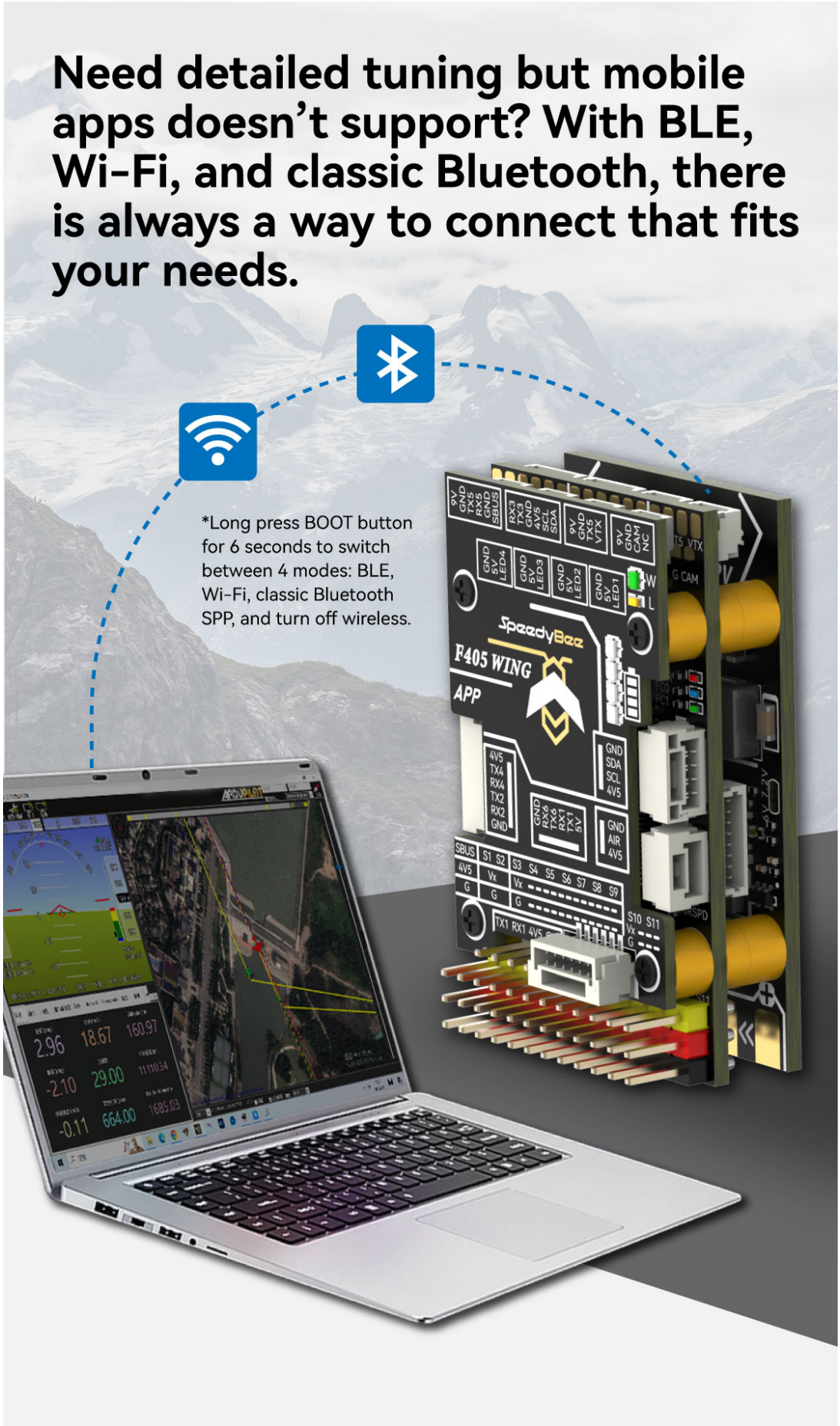
SpeedyBee®

F405 WING APP

EASY INSTALLATION, WIRELESS CONFIGURATION, FREE SOARING!

- Wireless Configuration
- Easy installation, plug and play
- Dual firmware support for INAV and Ardupilot
- Support Ardupilot's VTOL function
- F405 all pins break out
- Multilayer board design, stable operation
- CRSF telemetry data displayed by Lua script
- 4x LED strip plugs, lighting with style
- On-board 4-level Battery Life Indicators
- On-board current sensor, with 3 BEC outputs
- Includes 90°pin headers, for lower installation height


Fixed-wing configuration has never been so easy.
Supports wireless configuration via Speedybee and QGroundcontrol apps, no more tedious drivers or data cables. Easy and convenient configuration, allowing you to focus on the joy of flying.
Calibration
Accelerometer Calibration
Step 1
Step 4
Step 5
Accelerometer Values
Acc Zero
Acc Gain
Compass Calibration
After pressing the button you have 30 seconds to hold the model in the air and rotate it so that each side (front, back, left, right, top and bottom) points


Need detailed tuning but mobile apps doesn't support? With BLE, Wi-Fi, and classic Bluetooth, there is always a way to connect that fits your needs.
*Long press BOOT button for 6 seconds to switch between 4 modes: BLE, Wi-Fi, classic Bluetooth SPP, and turn off wireless.
SpeedyBee
F405 WING
APP

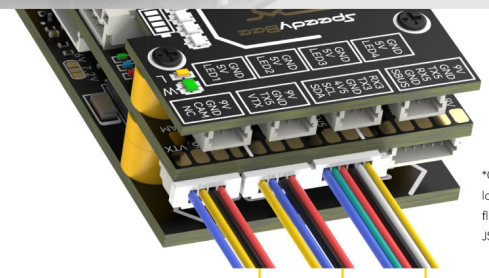
Hate soldering? Just plug them all in!

Plug in your digital VTX, receiver, camera, analog VTX, and GPS to complete your build in no time. Also comes with 4x LED plugs so you can light up your plane with no headache.

Prefer soldering? Just flip the board and start working on it.

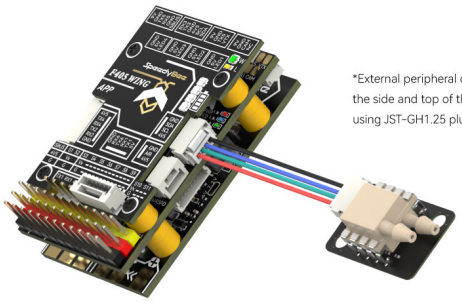
*Digital VTX connector, supports plug and play with DJI O3/RunCam Link/Caddx Vista/ Caddx WS Avatar/DJI Air Unit V1.





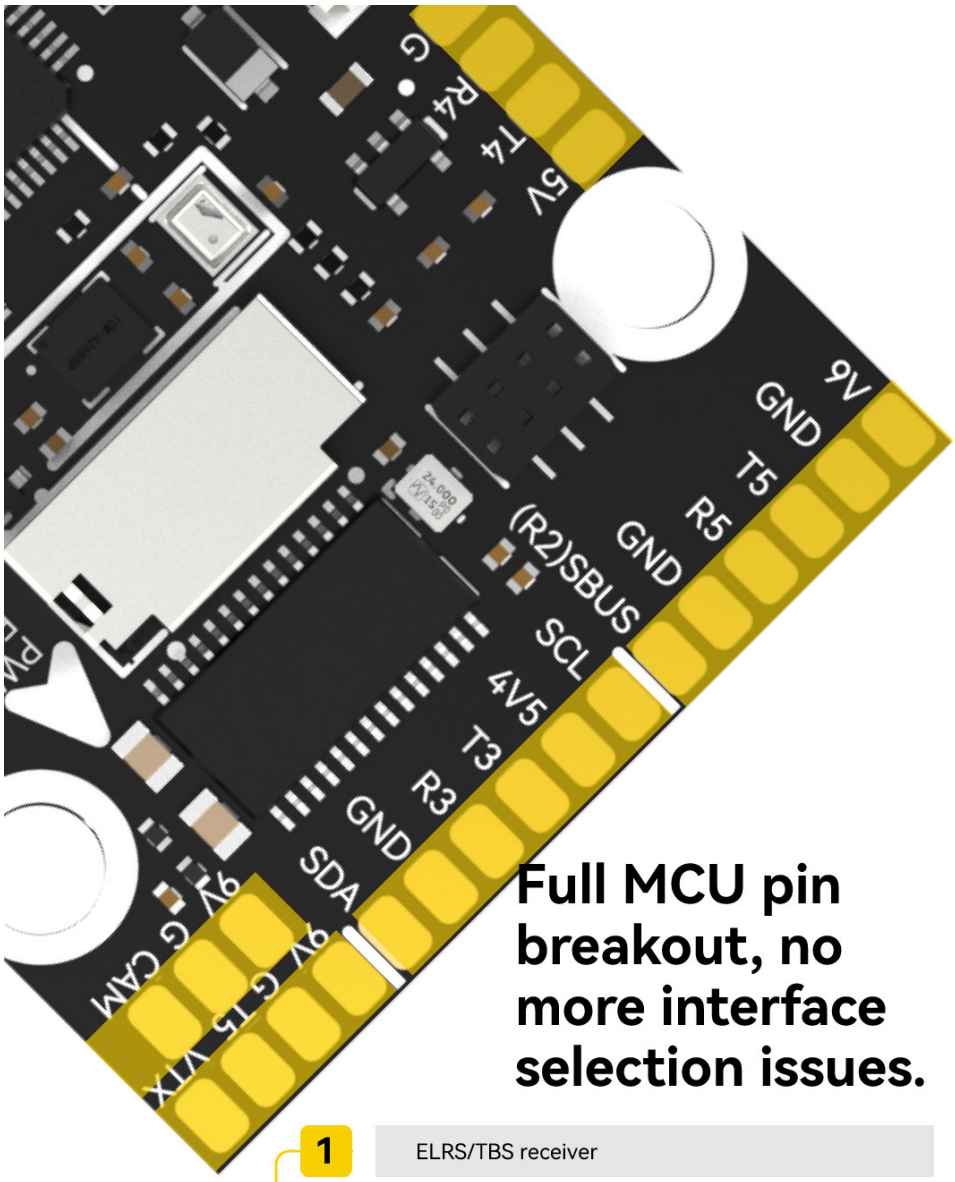
*Common peripherals connectors located at the front of the flight controller using JST-SH1.0 plugs.





*External peripheral connectors located at the side and top of the flight controller, using JST-GH1.25 plugs.


INAV/Ardupilot dual firmwares, choose as you like.
INAV for handling FPV flight easily; Ardupilot for advanced capabilities.
Stabilize your flight, automatic take-off, Wing Racing, Formation Flying... whether you're a beginner or an expert, this flight controller can fulfill all your flying dreams.
8
7
5
4
2
3
L
1
H
SUPPORTED FIRMWARE
INAV
ARDUPILOT
EASE OF USE
FPV FEATURE RICHNESS
AUTOPILOT COMPLETENESS
SUPPORTED AIRCRAFT MODELS
COMPATIBLE WITH CONFIGURATION APP
APPROPRIATE
WING RACING, FORMATION FLYING
AUTOPILOT, LONG-RANGE FLIGHTS

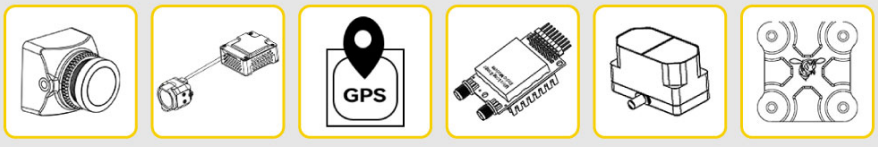


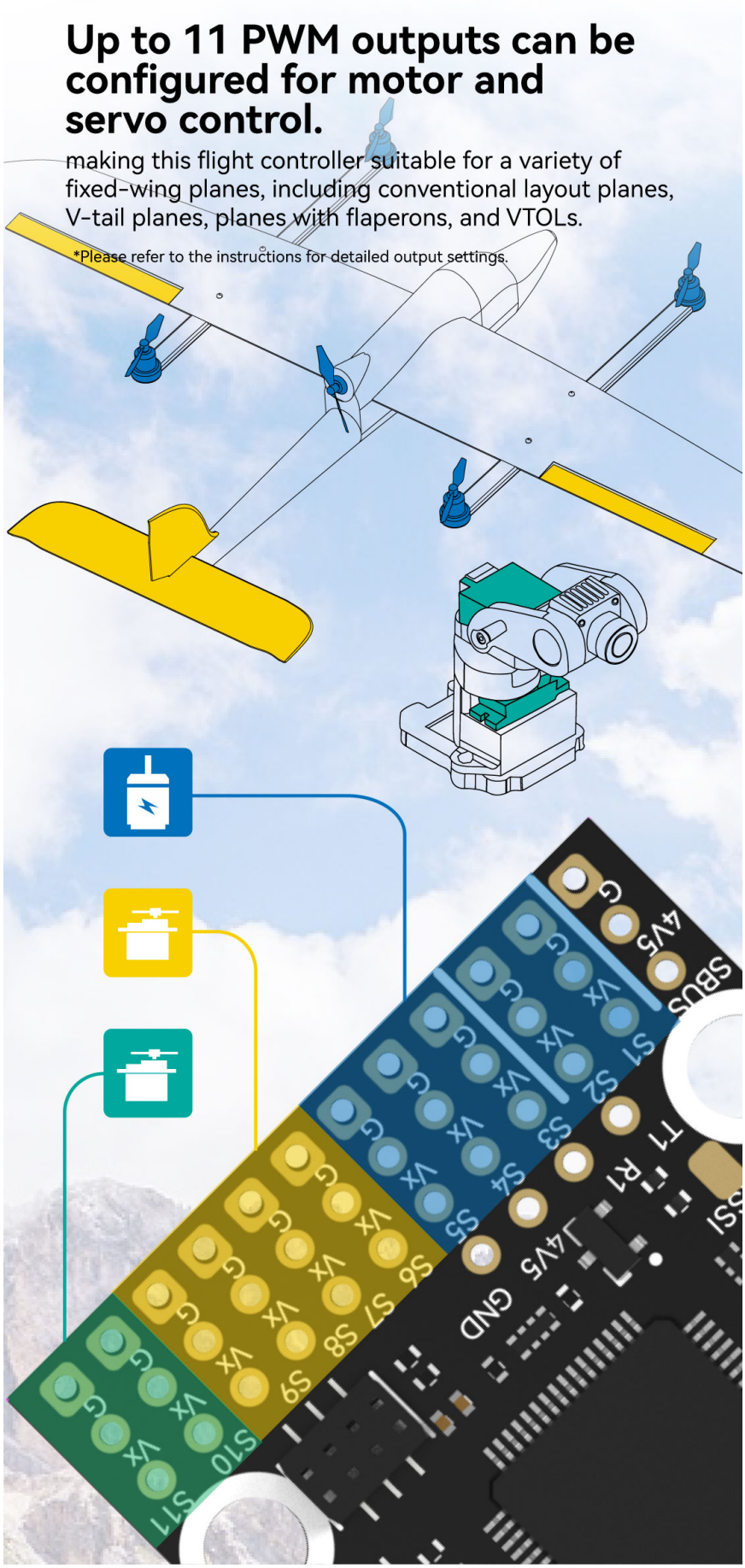
Full MCU pin breakout, no more interface selection issues.

UART

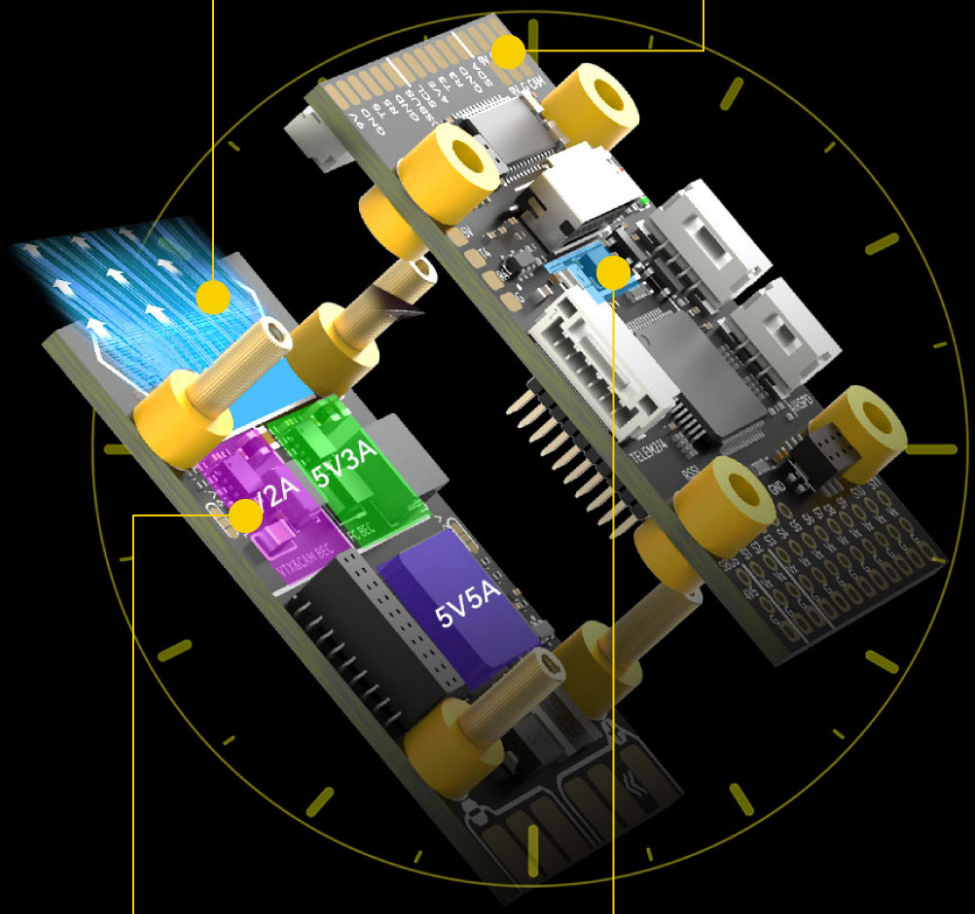
1	ELRS/TBS receiver
2	SBUS input or other peripheral
3	GPS module
4	Telemetry module or other peripheral
5	Digital VTX or Analog VTX
6	On-board Wireless controller

Up to 6 UART ports for easy expansion, allowing you to connect various external modules, from GPS to Digital VTX.




Up to 11 PWM outputs can be configured for motor and servo control.
making this flight controller suitable for a variety of fixed-wing planes, including conventional layout planes, V-tail planes, planes with flaperons, and VTOLs.
*Please refer to the instructions for detailed output settings.
SBUS
4V5
GND
T1
R1
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10
S11

Multi-layer PCB design for cool and stable operation without interference.

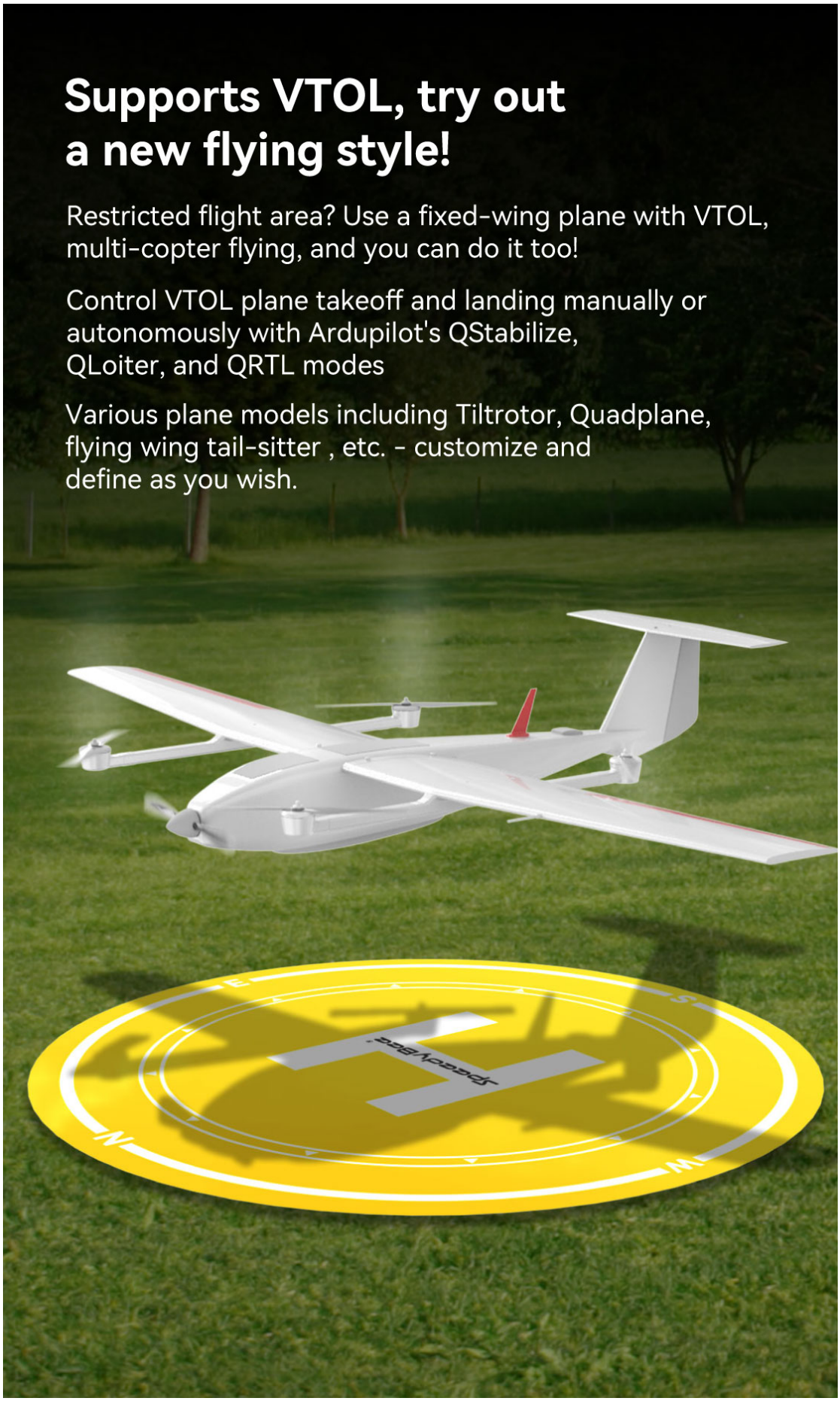


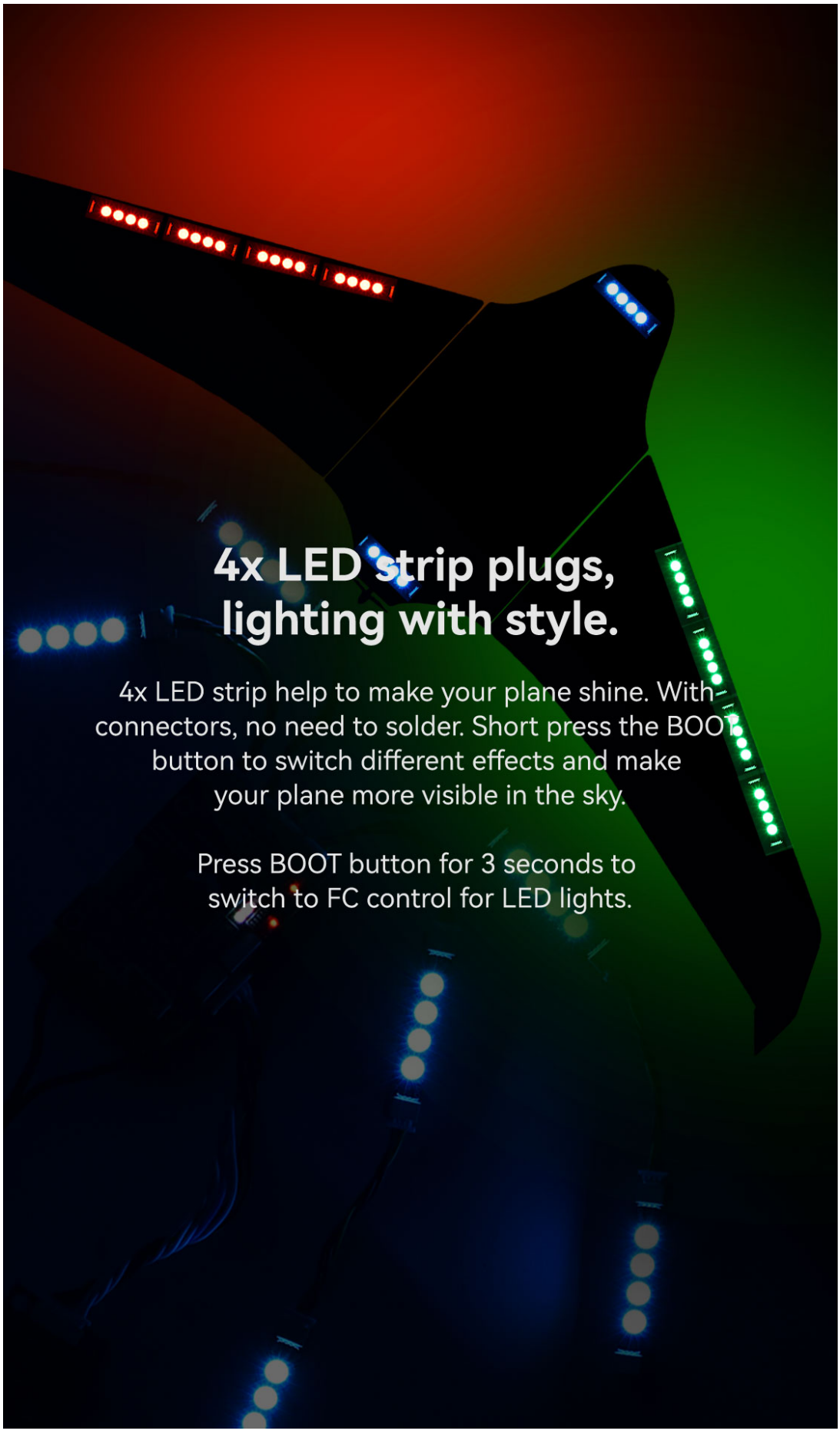
Power supply

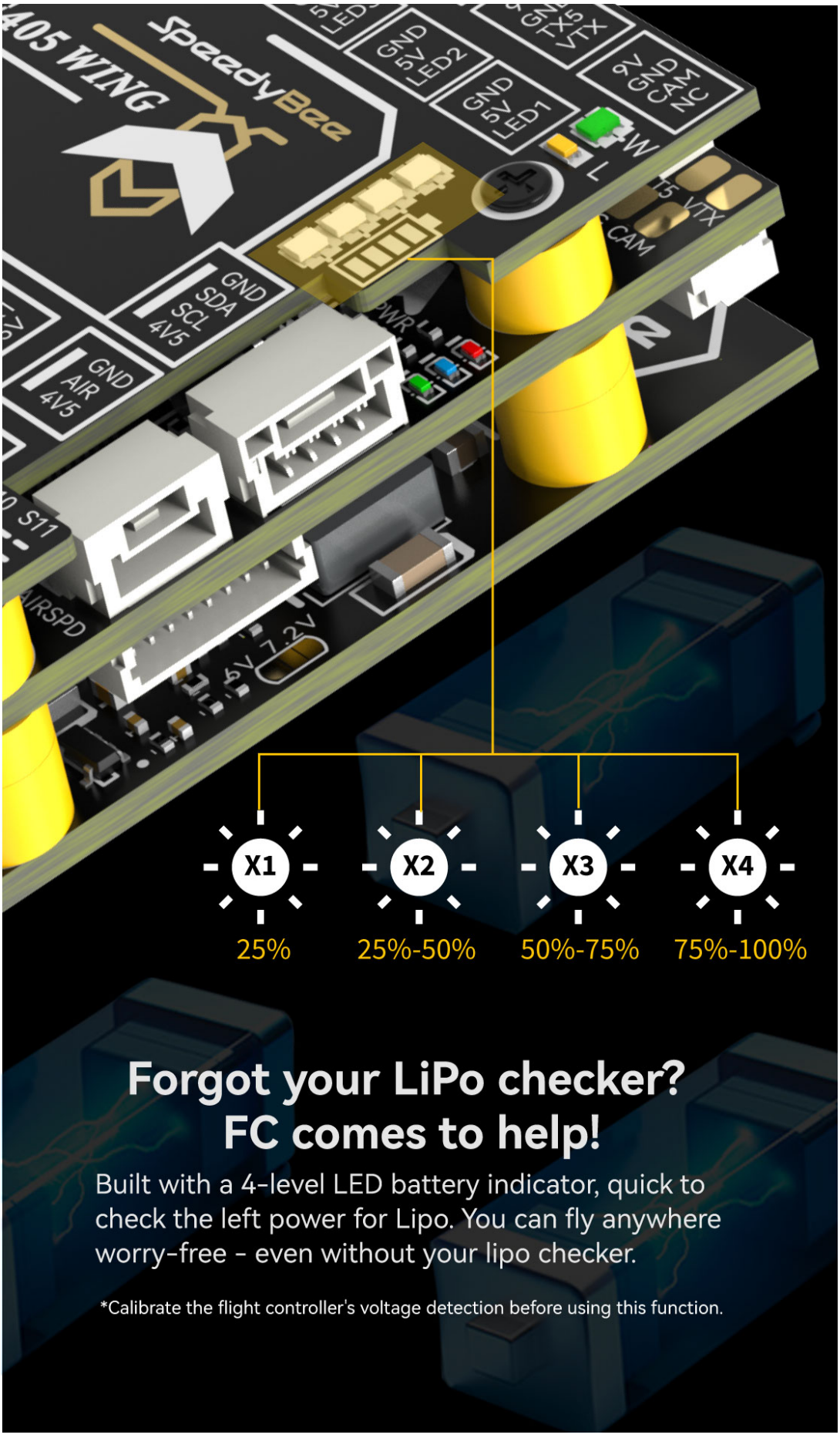
Up to 3 high-power BECs with larger heat dissipation areas, ensuring cool and reliable operation,enabling longer and more stable flights for a better flying experience.

IMU

Designed with separate layers for power supply,FC,and function modules,effectively resolving sensor interference caused by power circuits.


Supports VTOL, try out
a new flying style!
Restricted flight area? Use a fixed-wing plane with VTOL, multi-copter flying, and you can do it too!
Control VTOL plane takeoff and landing manually or autonomously with Ardupilot's QStabilize, QLoiter, and QRTL modes
Various plane models including Tiltrotor, Quadplane, flying wing tail-sitter , etc. - customize and define as you wish.


4x LED strip plugs,
lighting with style.
4x LED strip help to make your plane shine. With connectors, no need to solder. Short press the BOOT button to switch different effects and make your plane more visible in the sky.
Press BOOT button for 3 seconds to switch to FC control for LED lights.


405 WING
SpeedyBee
GND 5V LED2
GND 5V LED1
9V GND CAM NC
GND SDA SCL 4V5
GND AIR 4V5
PWR
CAM
VTX
AIRSPD
7.2V
X1
X2
X3
X4
25%
25%-50%
50%-75%
75%-100%
Forgot your LiPo checker?
FC comes to help!
Built with a 4-level LED battery indicator, quick to check the left power for Lipo. You can fly anywhere worry-free - even without your lipo checker.
*Calibrate the flight controller's voltage detection before using this function.

Specifications

Product Name	SpeedyBee F405 WING FC board
MCU	STM32F405,168MHz,1MB Flash
IMU(Gyro&Accelerometer)	ICM-42688-P
Barometer	SPL006-001
OSD Chip	AT7456E
Blackbox	MicroSD Card Slot
UART	6 sets(USART1, USART2, USART3, UART4, UART5, UART6(Dedicated for Wireless board Telemetry connection))
I2C	1x Used for magnetometer, digital airspeed sensor
ADC	4x (VBAT, Current, RSSI, Analog AirSpeed)
PWM	12x (11+1“LED”pad)
ELRS/CRSF receiver	Supported,connected to UART1
SBUS	Built in inverter for SBUS input (UART2-RX)
LED	3x LEDs for FC STATUS (Blue, Green) and 3.3V indicator(Red) 1x RGB
RSSI	Supported,Named as RS .
Supported FC Firmware	INAV:SpeedyBeeF405WING(default)ArduPilot: SpeedyBeeF405WING
Weight	8.9g

Product Name	SpeedyBee F405 WING PDB board
Input voltage range	7~36V (2~6S LiPo)
Battery Voltage Sensor	Connect to FC board VBAT, 1K:10K (Scale 1100 in iNav, BATT_VOLT_MULT 11.0 in ArduPilot)
Battery Current Sensor	90A continuous, 215A peak Connect to FC board Current (Scale 195 in iNav, 50 A/V in ArduPilot)
TVS Protective diode	Yes
FC BEC output	Output 5.2V +/- 0.1V DC Continuous current 2.4 Amps, 3A Peak Designed for FC, Receiver, GPS module, AirSpeed module, Telemetry module, WS2812 LED_Strip
VTX BEC output	Output 9V +/- 0.1V DC Continuous current 1.8 Amps, 2.3A Peak Voltage adjustable, 9V Default, 12V or 5V via jumper Designed for Analog Video Transmitter,Digital Video Transmitter, Camera.
Servo BEC output	Output 4.9V +/- 0.1V DC Continuous current 4.5 Amps, 5.5A Peak Voltage adjustable, 4.9V Default, 6V or 7.2V via jumper Designed for Servos.
Weight	11.4g

Product Name	SpeedyBee F405 WING Wireless board
Wireless Configuration (long press BOOT button for 6 seconds to switch modes)	BLE mode, connect to Speedybee APP Wi-Fi mode, connect to QGroundControl APP, Speedybee APP, MissionPlanner, etc. Classic Bluetooth SPP mode, connect to QGroundControl APP, MissionPlanner
LED strip controller (short press BOOT button to switch effects, long press 2 seconds to switch modes)	4x WS2812 LED strip connectors, adjustable colors and flashing modes Max 5.2V 1.3A, supports around 70pcs 5050 WS2812 LED beads
On-board battery level indicator	4x RGB indicator LED for battery level display by number of lights
Weight	4.2g