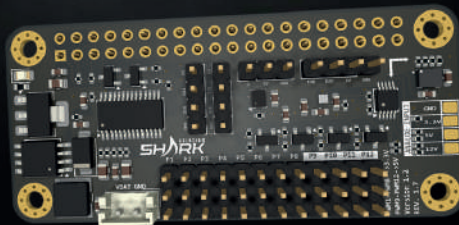


SHARK SKYBASIC FCU



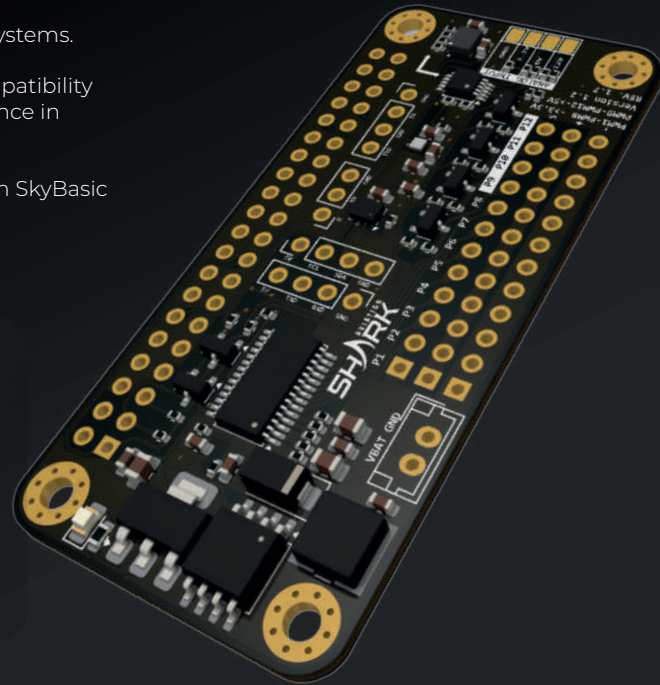
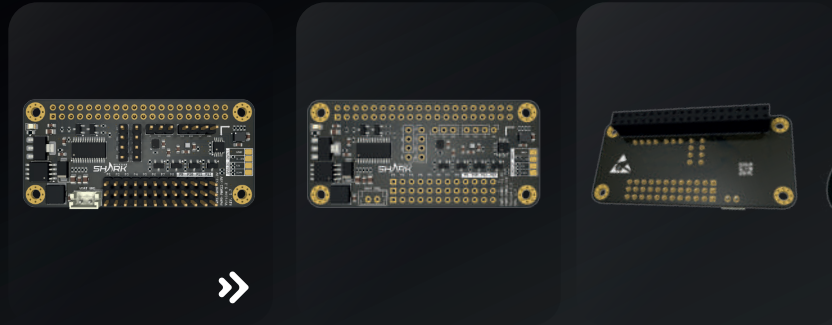
Take Control of Your Flight with **SkyBasic FCU**

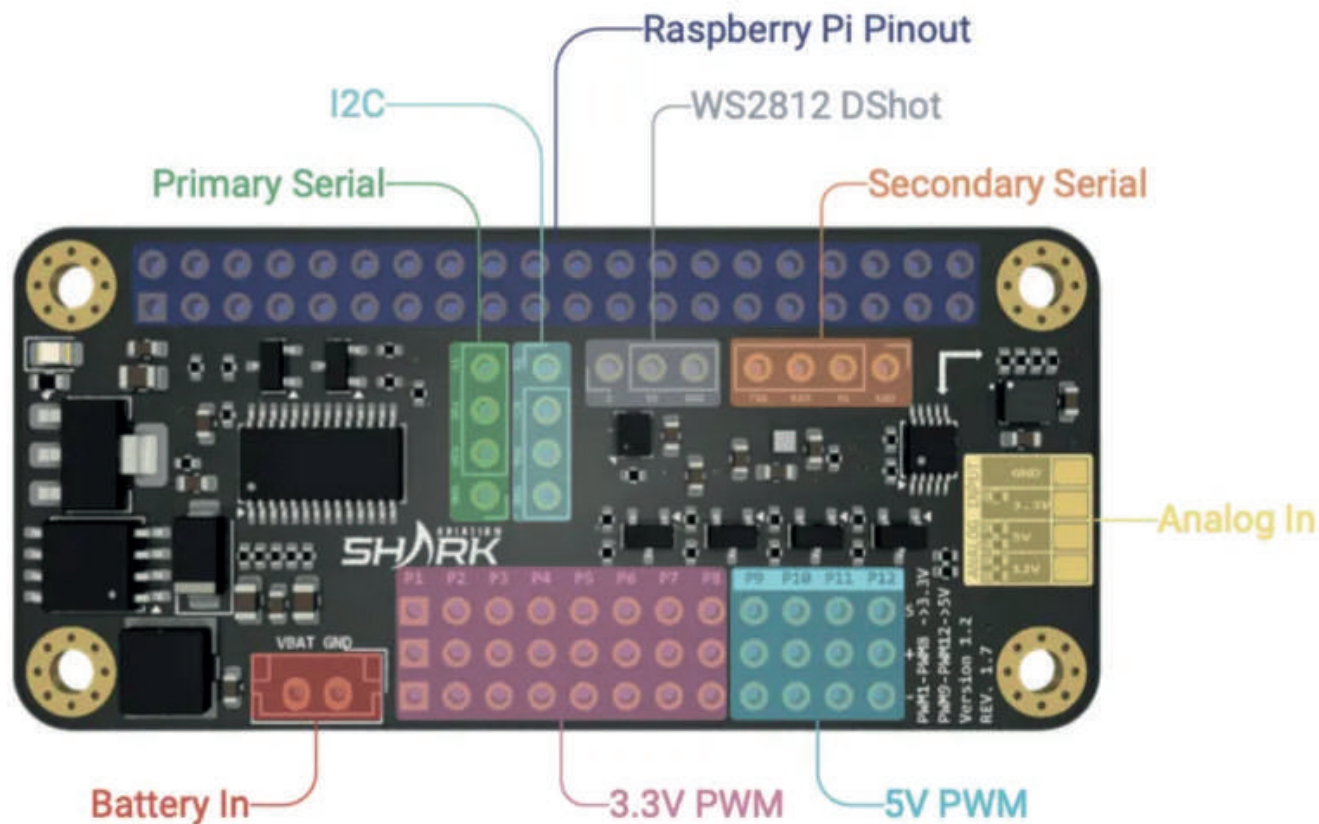
Custom-built for you, equipped with the technology of the future.

SkyBasic FCU is specifically designed for modern aircraft and autonomous systems.

With features ranging from a built-in magnetometer and direct battery compatibility to analog sensor support and full Raspberry Pi integration, it makes a difference in both your hobby projects and professional applications.

High precision, a simple structure, and broad compatibility — all combined in SkyBasic FCU.





Direct Battery Compatibility

Provides direct battery power supply without the need for external regulators.

In portable systems, field operations, or drone applications, it offers a simpler, more efficient, and practical solution.

Built-in Magnetometer

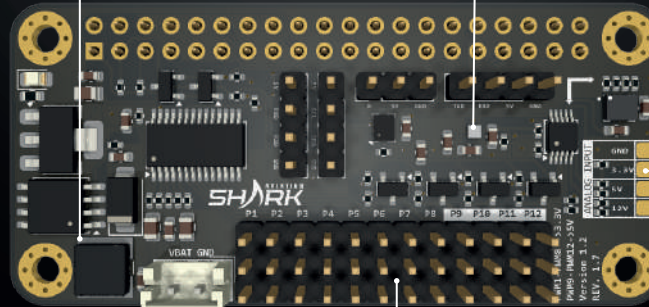
Thanks to the integrated magnetometer, there is no need for an external compass.

More precise heading determination and stable navigation in GPS-supported applications.

Wide SBC (Single Board Computer) Compatibility: Fully Compatible with Raspberry Pi PinOut

Whether in your hobby projects or industrial applications, seamless compatibility with plug-and-play ease awaits you.

This system uses the same pin layout (PinOut) as Raspberry Pi and is fully compatible with popular single-board computers.



Analog Measurement Support with Sensor Integration

With the analog inputs available on the system, you can directly connect analog-output sensors such as temperature, pressure, light, potentiometer, and pitot tube, and collect data.

Compatible Single-Board Computers:

Orange Pi Zero 2W/Orange Pi 3B	Banana Pi M2 Zero/ Banana Pi M4 & M5	Radxa Zero & Zero 2
Rock Pi 4 & Rock Pi 5	Le Potato (AML-S905x-CC)	La Frite (AML-S805x-AC)

Technical Specifications

Processor	Depends on Integrated Card
Accel	Bosch BMI270
Gyro	Bosch BMI270
Mag	Bosch BMM350
Barometer	Bosch BMP280
Operating Voltage	5V ~ 22V
USB Power Input	4.75V ~ 5.25V
Servo Rail Input	0V ~ 10V
Operating Temperature	-20°C ~ 85°C
Operating Humidity	5% ~ 95% (noncondensable)
Weight	23.2g
Interfaces	8x 3.3V Logic level PWM Out 4x 5V Logic level PWM Out 1x Serial Bus (2x If Integrated Card Supports) I2C Analog Input (3.3V, 5V, and 12V) DShot Port for LEDs



0332 225 42 16

Büyükayacak Osb Mah. 101. Cad.
D2 Blok No:8/B Selçuklu/KONYA

info@sharkaviation.com.tr