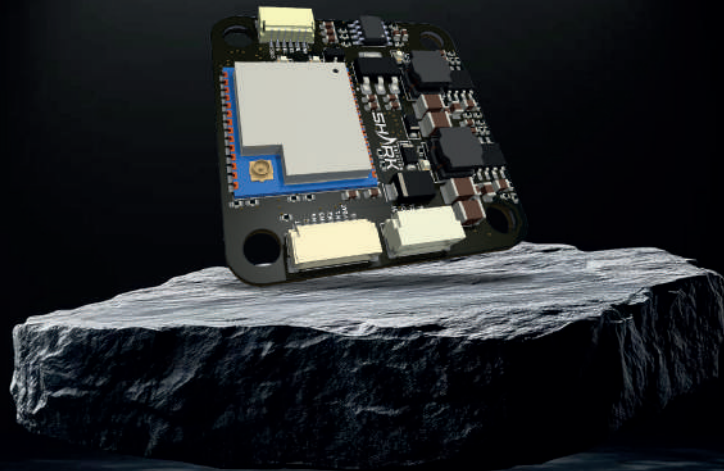


SHARK SKYNEURO FCU



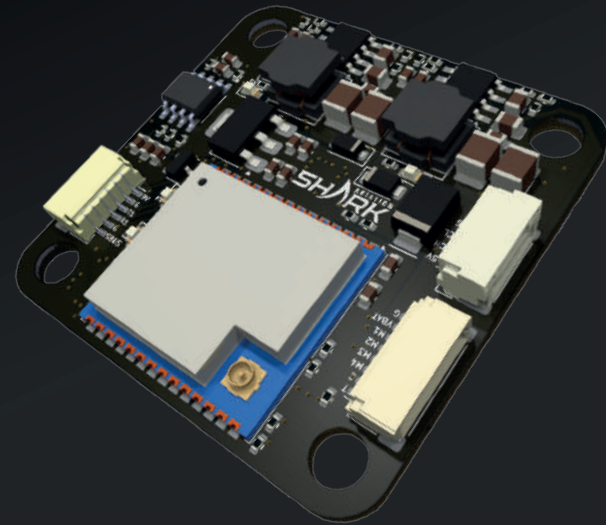
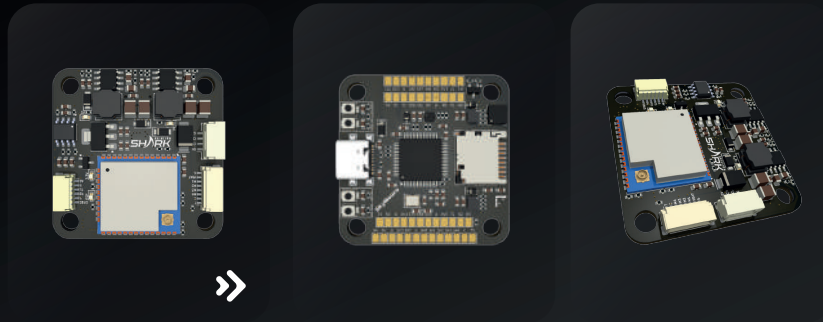
Control Knows No Limits with **SkyNeuro FCU!**

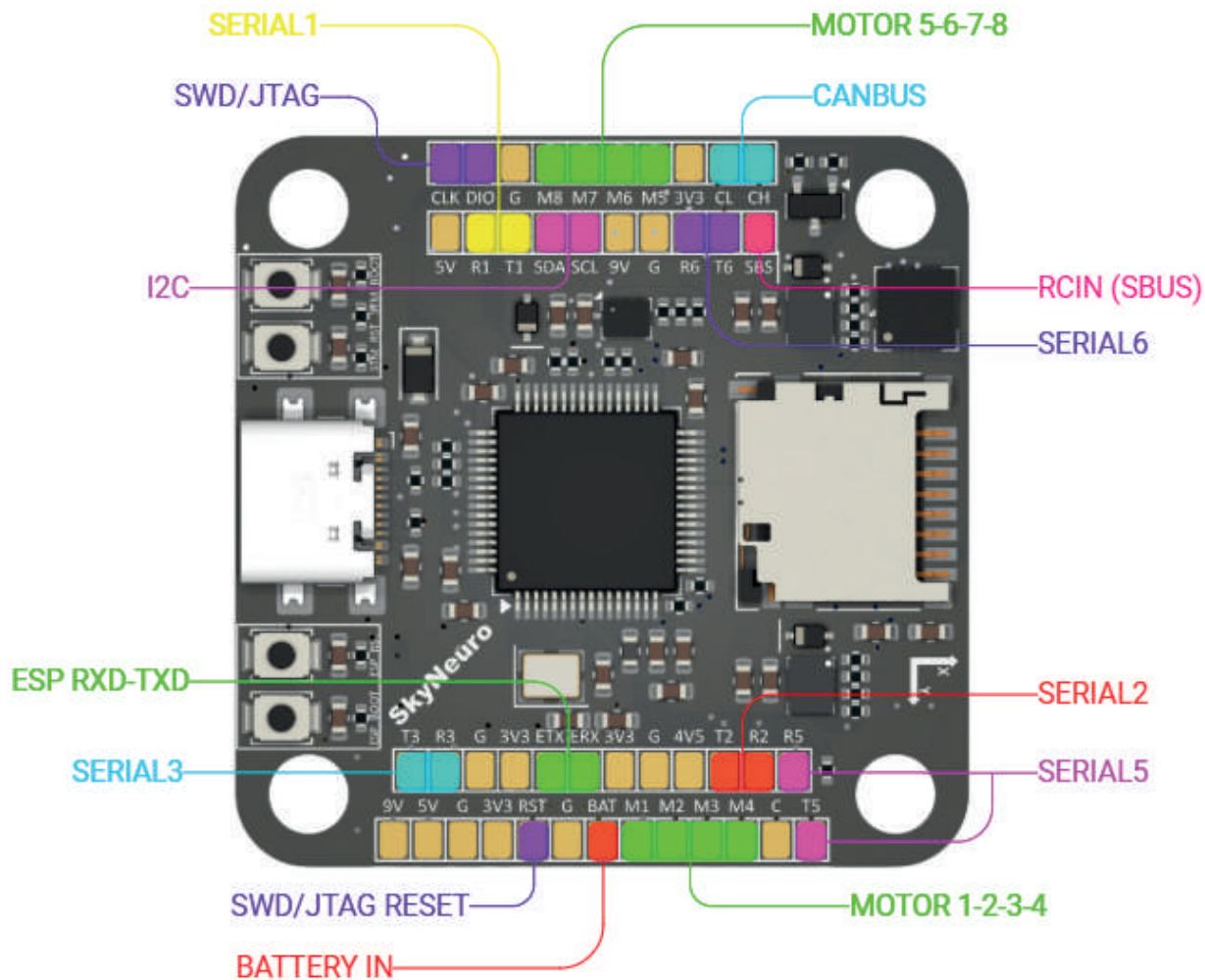
Designed for professionals, enhanced with precision.

With high regulator capacity, dual IMU redundancy, built-in Wi-Fi freedom, and CANBUS communication support, SkyNeuro FCU is far beyond traditional flight controllers. Full compatibility with DJI systems ensures flexible configuration both in the field and during system integration — everything is under your control.

SkyNeuro offers reliable, powerful, and smart solutions for advanced projects and industrial applications.

Manufactured specifically for you, designed for the needs of the future.





Dual IMU for Advanced Redundancy and Stability

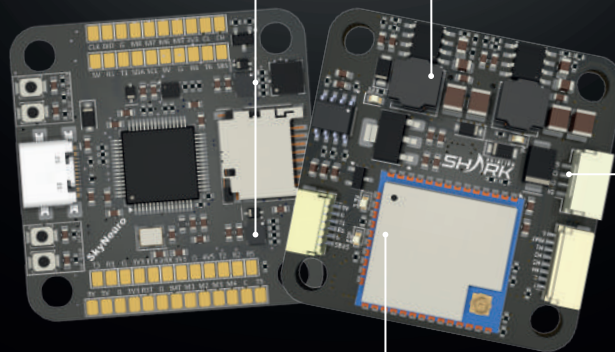
Thanks to two separate IMUs integrated into the system, achieve maximum reliability and more stable flight responses under all flight conditions.

Superior resistance against vibrations and sensor drift!

Wireless Freedom with Built-in Wi-Fi

With the integrated ESP32, say goodbye to dealing with cables!

You can remotely and easily configure your flight controller, enable real-time data transmission, and save time with quick on-site adjustments.



Powerful Regulators: Compatible with DJI and Other Systems

9V 2A output: Provides stable and sufficient power for DJI Air Unit, Vista, and similar systems.

5V 2A output: An ideal power source for receivers, LEDs, and other accessories.
Configure your system as you wish with high-capacity regulators.

Advanced Communication CANBUS Support

Stay one step ahead of standard FPV controllers!

With CAN protocol support, establish high-speed, reliable, and flexible communication between sensors, smart devices, and flight systems.

Technical Specifications

Processor	STM32F405 32bit Arm Cortex-M4
Accel	2x Bosch BMI270
Gyro	2x Bosch BMI270
Mag	Bosch BMM350
Barometer	Bosch BMP280
Operating Voltage	5V ~ 60V
USB Power Input	4.75V ~ 5.25V
Operating Temperature	-20°C ~ 85°C
Operating Humidity	5% ~ 95% (noncondensable)
Weight	33.8g
Interfaces	8x PWM Output
	1x RCIN (SBUS)
	5x Serial Bus (Including RCIN)
	1x I2C
	MicroSD Card
	SpeedyBee ESC Port
	DJI Air Unit Compatible
	USB Type-C OTG
	Wi-Fi Telemetry & Bluetooth
	CANBUS



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