

--GOKU FC SERIES--  
GOKU GN405S AIO

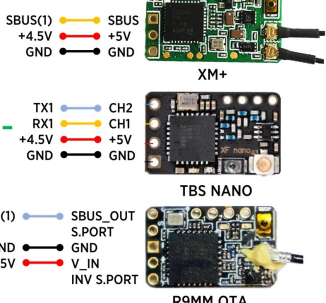
# GOKU

V1.0 Version

F405S AIO FCPARAMETER

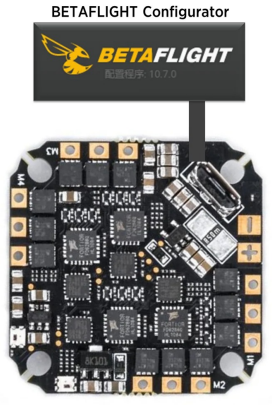
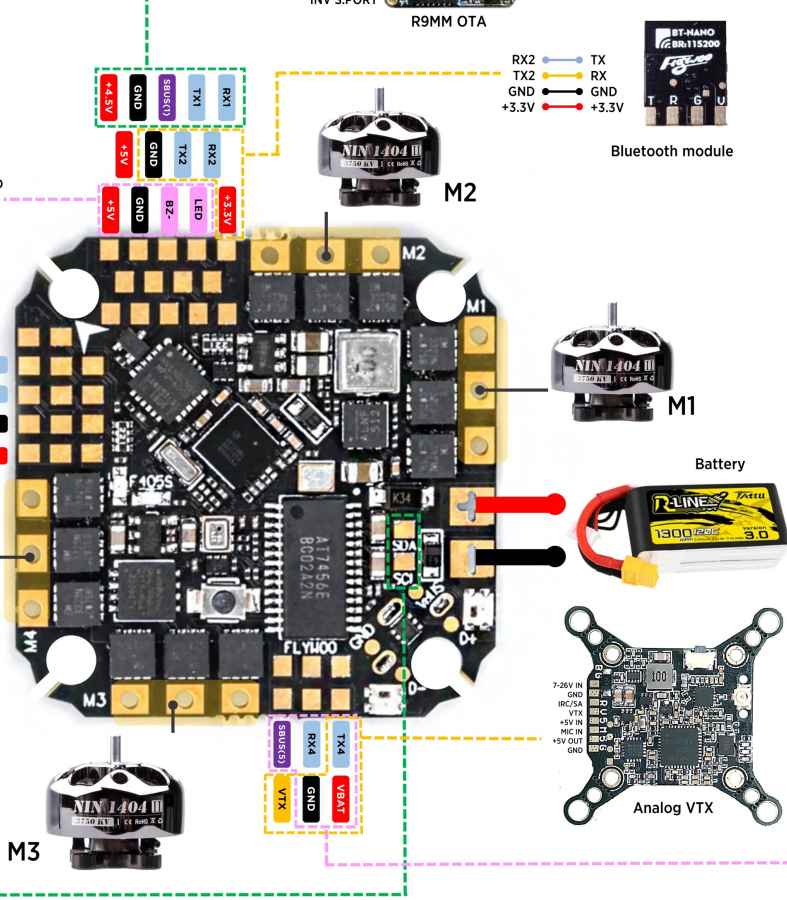
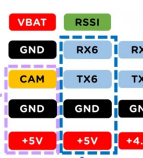
- MCU: F405 BGA 32-bit processor, 168MHz, 1024Kbytes Flash
- IMU: MPU6000 (SPI)
- Barometer: BMP280
- Onboard LED: WS2812\*4
- USB VCP Driver (all UARTs usable simultaneously; USB does not take up a UART)
- 6 hardware UARTS (UART1, 2, 3, 4, 5, 6)
- Supports serial receivers (SBUS, iBus, Spektrum, Crossfire) only.
- PPM and PWM receivers are not supported.
- Onboard 8Mbytes for Blackbox logging
- Firmware: FLYWOOF405S\_AIO

- 5V Power Out: 2.0A max
- 3.3V Power Out: 0.5A max
- Dimensions: 33.5x33.5mm
- Mounting Holes: Standard 25.5/25.5mm square to center of holes
- Weight: 8.5g
- Built-in 20A/40A BLheli\_S 4in1 ESC
- Support PWM, Oneshot125, Oneshot42, Multishot, Dshot150, Dshot300, Dshot600
- Input Voltage: 2-6S Lipo
- Continuous Current: 40A
- Firmware: BLheli\_S

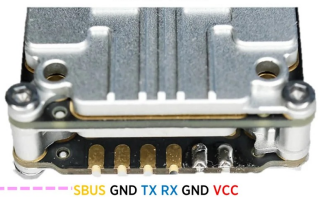


Identifier	Configuration/MP	Serial Rx	Telemetry Output	Sensor Input	Peripherals
USB VCP	115200	Disabled	AUTO	Disabled	AUTO
UART1	115200	Disabled	AUTO	Disabled	AUTO
UART2	115200	Disabled	AUTO	Disabled	AUTO
UART3	115200	Disabled	AUTO	Disabled	AUTO
UART4	115200	Disabled	AUTO	Disabled	AUTO
UART5	115200	Disabled	AUTO	Disabled	AUTO
UART6	115200	Disabled	AUTO	GPS	9600

**The UARTs Port Setting:**  
**UART 1** - RX(SBUS/IBUS/DSM/CRSF)  
**UART 2** - Bluetooth module  
**UART 3** - NONE  
**UART 4** - AIRUNIT/VISTA OSD/IRC/SA  
**UART 5** - AIRUNIT/VISTA SBUS IN  
**UART 6** - GPS Serial port



**NOTICE**  
 IF YOU USE A 6S BATTERY  
 PLEASE USE AN EXTERNAL BEC TO  
 POWER THE VISTA.



SBUS GND TX RX GND VCC