

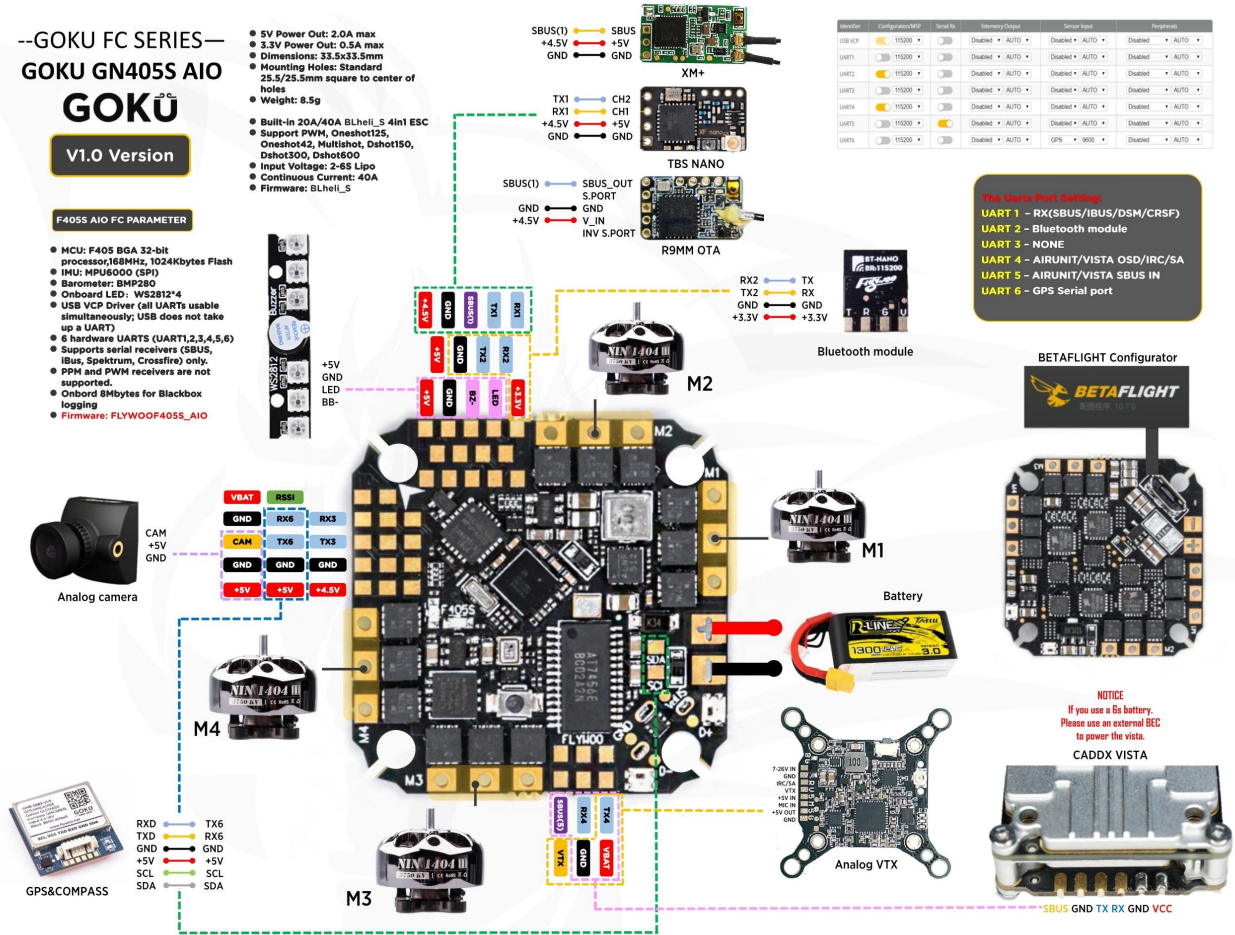
GOKU GN405S AIO V1.0

--GOKU FC SERIES-- GOKU GN405S AIO GOKU V1.0 Version

F405S AIO FC PARAMETER

- MCU: F405 BGA 32-bit processor, 168MHz, 1024Kbytes Flash
- IMU: MPU6000 (SPI)
- Barometer: BMP280
- Onboard LED: WS2812*4
- USB VCP Driver call 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: FLYWOOP405S_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/MSP	Serial Rx	Serial Tx	Receiver
USB VCP	115200	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UART1	115200	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UART2	115200	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UART3	115200	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UART4	115200	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UART5	115200	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
UART6	115200	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The serial port settings
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

Warning

When you receive The FC, please follow the steps below to check if the FC function is complete before soldering and updating the firmware.

- Place the FC horizontally and connect to Betaflight. Perform calibration and check if the direction is correct.
- Open the sensor interface and check whether the fluctuations of the gyroscope, accelerometer, and barometer (If Available) are normal
- If you need to upgrade the firmware, please export your FC settings before upgrading. To prevent loss of configuration. At the same time, please use the correct firmware according to the target given in the manual.

