#### **CAN NODE SYSTEM**



Contains information relevant to using AP periph on the micro node system

We support AP\_Periph based firmware's for our CAN node. The Nodes ship with a generic AP\_periph firmware by default.

## **Default firmware features**

- 4 PWMs/GPIOs
  - PA8 PWM 1 GPIO 50
  - PA9 PWM 2 GPIO 51
  - PA10 PWM 3 GPIO 52
  - PA11 PWM 4 GPIO 53
- Serial UBLOX/NMEA GPS (Serial 3 by default)
- Barometers
- Airspeed
- Battery (any, but ADC PA0 voltage and PA1 Current enabled by default)
- Relay

# Firmware files and flashing

If there is no AP periph bootloader present on the node (you've been using Arduino DroneCAN for example) then AP\_Periph\_with\_bl.hex needs flashing with STM cube Programmer using STLINK or UART.

If the AP periph bootloader is present, the .bin file can be used in the usual way through mission planner.

(i) We've working on merging our hwdef file into Ardupilot repository



### AP\_Periph\_with\_bl.hex

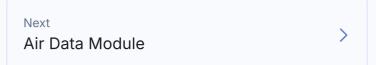
### For use with STM Cube Programmer



AP\_Periph.bin

If the AP periph booloader is present on the node, this file can be used to program the firmware through mission planner.





Last updated 9 days ago





