



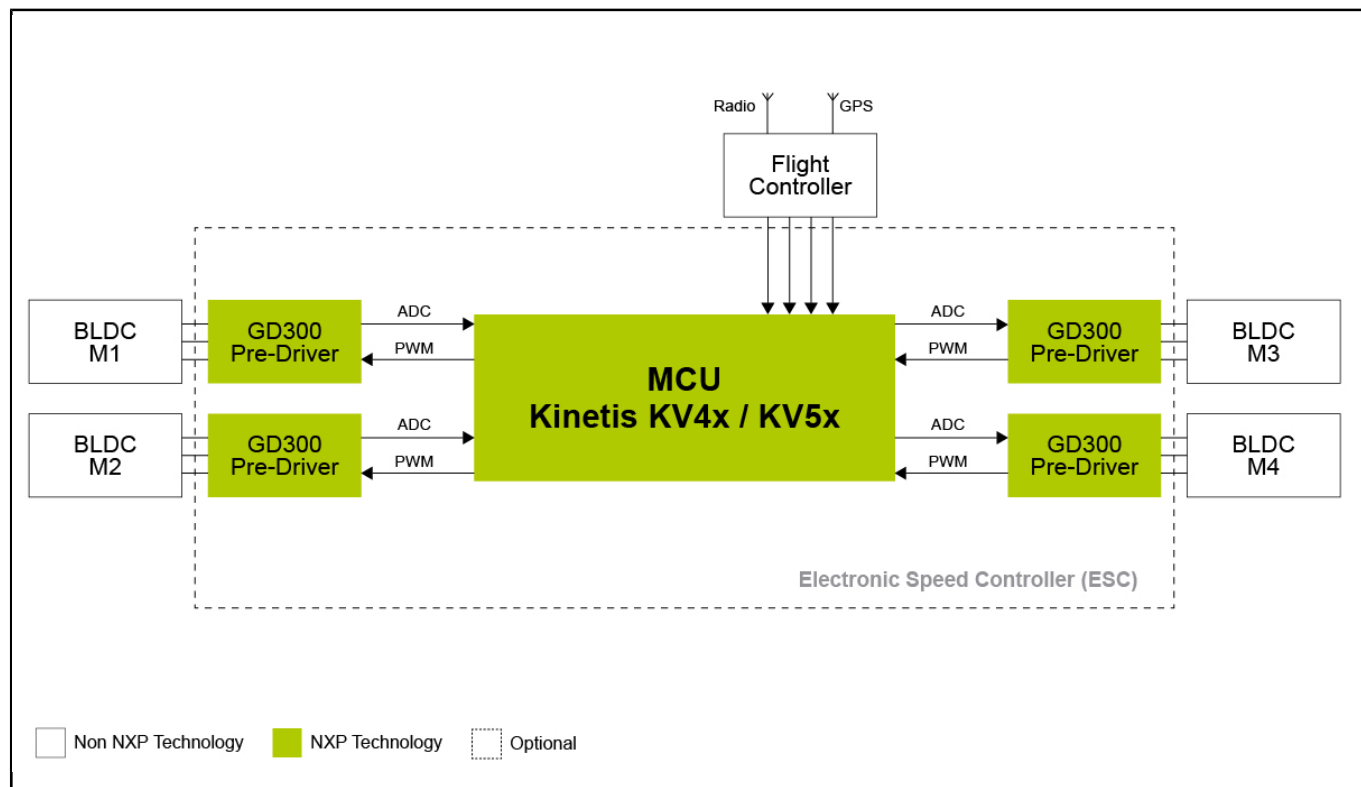
# KV Series Quad Motor Control

## KINETIS-DRONE-REFERENCE-DESIGN

Last Updated: May 1, 2023

The quadcopter drone consists of a flight controller and four electronic speed controllers (ESCs), one for each motor. The flight controller is equipped with a radio to receive flight commands from the pilot and the inertial measurement unit (IMU). This reference design combines four separate ESC boards into one controlled by a single KV4x or KV5x MCU, and is capable of driving four BLDC motors.

## Quad Motor Control Block Diagram



View additional information for [KV Series Quad Motor Control](#).

**Note:** The information on this document is subject to change without notice.

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