



Mobile Robotics Buggy3 Kit Including RDDRONE-FMUK66 and Peripherals

MR-BUGGY3

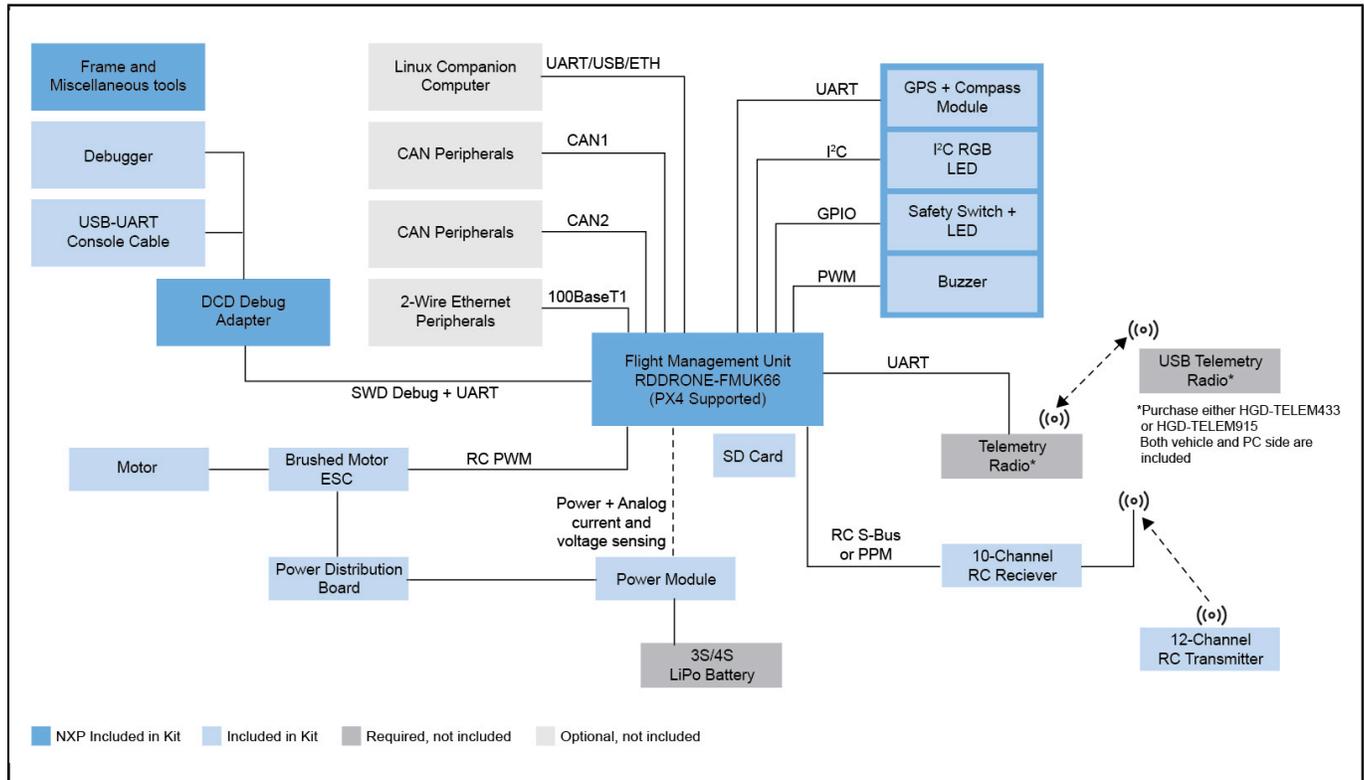
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The MR-BUGGY3 kit provides the mechanical and other components needed to build a small robotic Buggy and evaluate the [RDDRONE-FMUK66](#). The platform includes a brushed motor controller and RC Remote, as well as a robust mechanical platform offering two layers to support expansion with other electronics and Mobile Robotics board solutions.

This developer kit may be used as part of HoverGames/RoverGames, and contains the components needed for these coding challenges. Note that this is a professional developer kit, and as shipped is not a complete functional system. It includes no NXP software, the flight management unit (FMU) is supported by the mainline branch of the business-friendly open source PX4.org vehicle stack. A separate suitable hobby-type LiPo battery and country-specific telemetry radio will be required for a complete working system.

When assembled the frame has appropriate additional space in order to mount other components such as UCANS32K146, UCABS32K1SIC, RDDRONE-T1ADAPT, NXP FRDM boards. A companion computer such as NavQPlus based on i.MX 8M plus, or [i.MX 8M Mini](#) can be used as a vision processor running Linux and ROS/ROS2. The rover development platform is very flexible, fully open for development of robotics, control algorithms, security networking and communications protocols, and can include another add-on component, companion computer, software or associated solutions.

MR-BUGGY3 Block Diagram Block Diagram



View additional information for [Mobile Robotics Buggy3 Kit Including RDDRONE-FMUK66 and Peripherals](#).

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