PX4 Robotic Drone Vehicle/Flight Management Unit (VMU/FMU) - RDDRONE-FMUK66

RDDRONE-FMUK66

Archived

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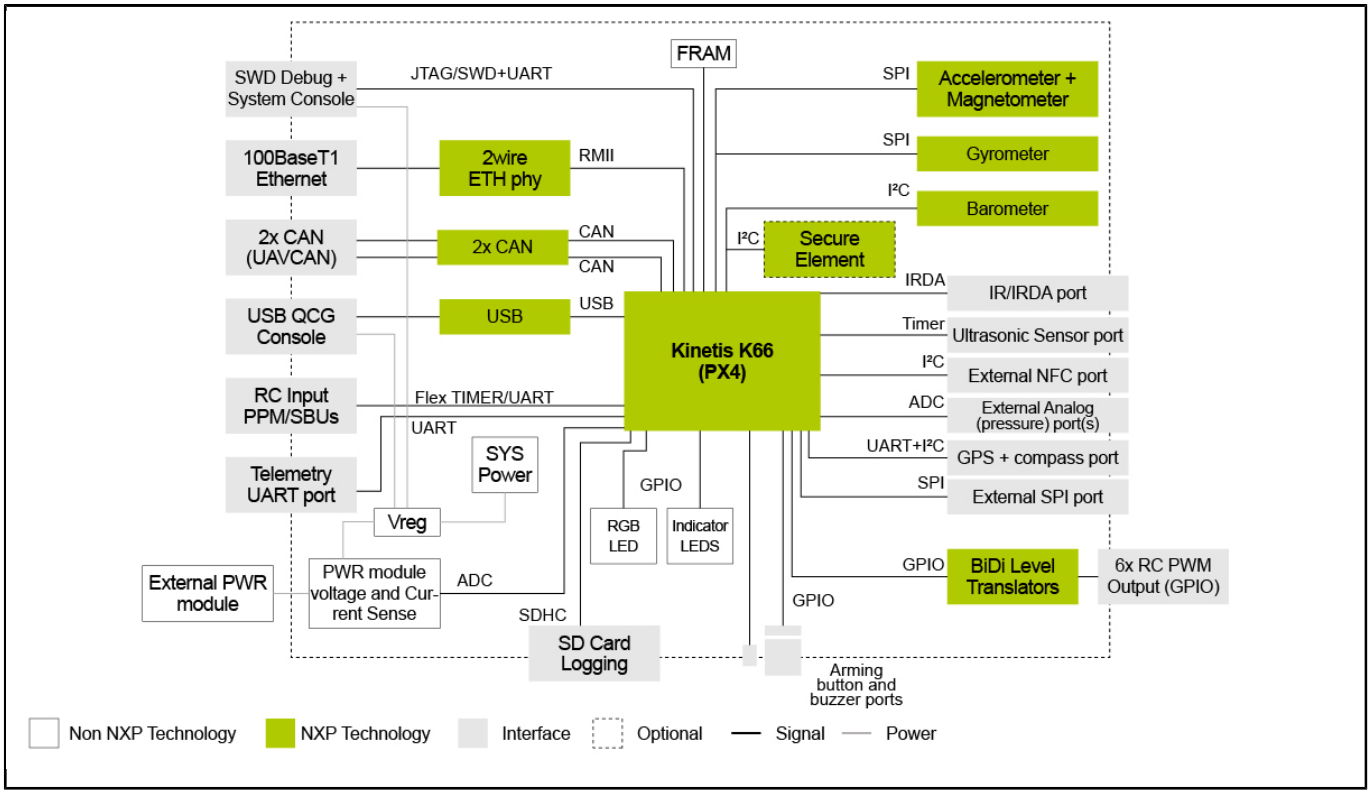
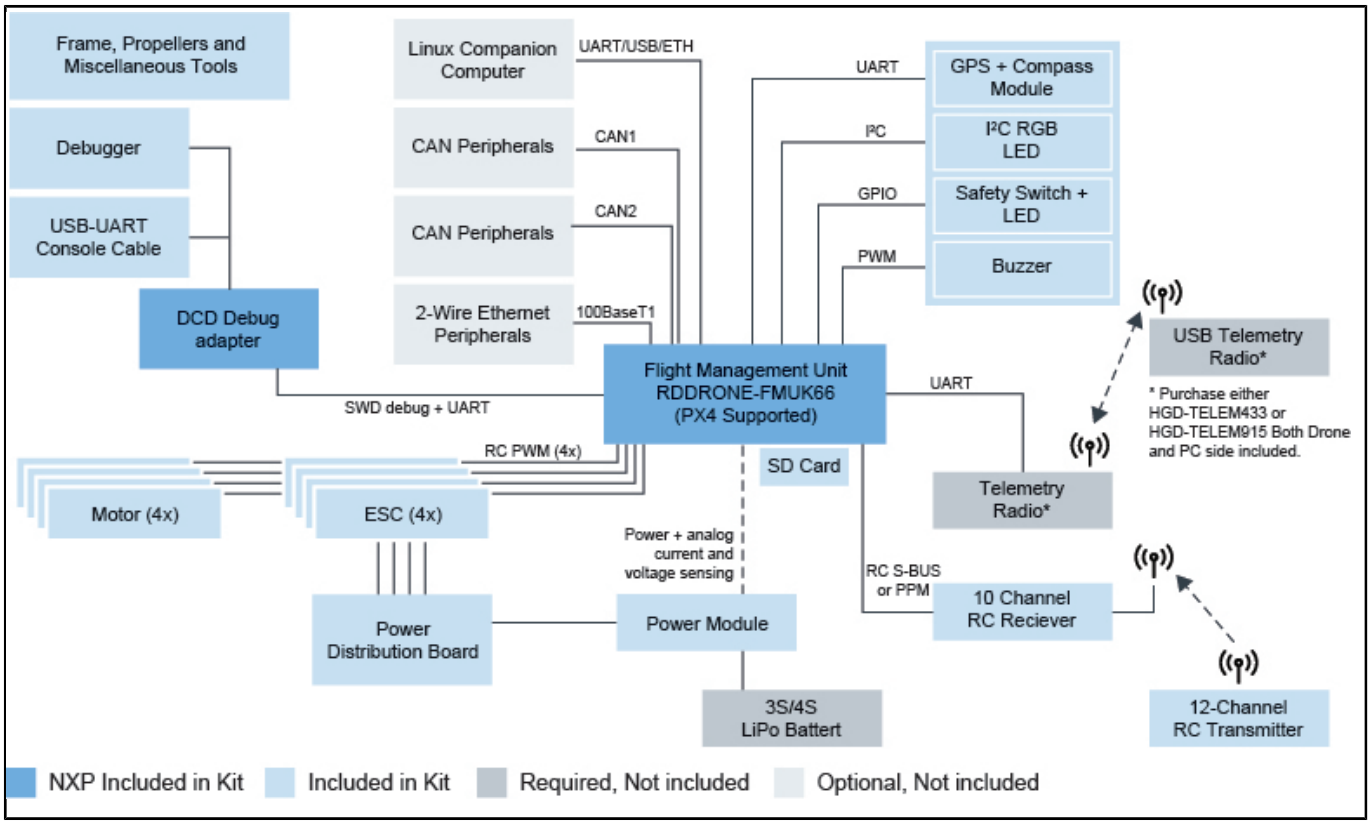
RDDRONE-FMUK66 vehicle/flight management unit reference design is the foundation for building industrial robotic drones, rovers, and other small autonomous vehicles. This reference design runs PX4, the standard for industrial-grade drones, and gives you freedom to develop your own robotic vehicle. Furthermore, the VMU/FMU is versatile and can run other open source or proprietary flight stacks.

It controls and directs the vehicle's navigation and real-time response to its environment. It is adaptable to many airframes and vehicle types, including ground and water-based robots. It performs sensor fusion, including GPS and other positioning inputs for autonomous navigation to mission way points. The open, extensible platform supports many additional sensors.

PX4 Robotic Drone FMU Block Diagram



FMU Reference Design Block Diagram



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