The **Gumstix Raspberry Pi CM4 + Pixhawk FMUv6** brings together 3 powerful compute devices. With the Raspberry Pi CM4 module, the Coral TPU, and the ST Micro STM32F7 MCU, along with support hardware for MAVs, rovers and other robotics platforms, designing TensorFlow-assisted autonomous vehicles has never been so accessible.

The **CM4 + Pixhawk FMUv6** is one of the first boards conforming to the Pixhawk v6 specification for Flight Management Units (FMUs), including on-board sensor bank, standard Pixhawk data and power connectors, octal PWM outputs, and firmware support.

The **CM4+FMUv6 Autopilot** features single-connection programming and debugging. Power the PCB, flash the CM4’s MMC, program the FMU’s firmware, or monitor their serial consoles from the same USB Type-C connection.

### Features Include:
- Raspberry Pi CM4 connector
- Dual raspberry Pi Camera connectors
- Serial console over USB
- USB Type-C power delivery
- STMicro STM32H753 MCU
- Pixhawk GPS, analog power, RC, and CAN connectors
- 8 PWM outputs
- On-board accelerometer, magnetometer and gyroscope
- On-board barometer
- Google Coral Accelerator Module

### What’s included
- 1 × CM4 Pixhawk 6 Mini

### Key component
- 1 × microSD Card Slot With Isolated CD Pins
- 1 × USB Type-C Port
- 2 × FTDI FT232RQ USB UART Interface
- 1 × BMM150 Series 3.6 V Surface Mount Three-Axis Geomagnetic Sensor - WLCSP-12
- 1 × MCU 32-Bit STM32 ARM Cortex M7 RISC 2MB Flash 1.8V/2.5V/3.3V 176-Pin LQFP Tray

### Product links
- Customize in Geppetto
- Technical Specifications
- Github
- Geppetto®/Workspace