The RPi CM4 + Pixhawk FMUv6U is backordered due to high demand. To get your order into the manufacturing queue submit your order ASAP.

The Gumstix Raspberry Pi CM4 + Pixhawk FMUv6U brings together 3 powerful compute devices. With the Raspberry Pi CM4 module, Coral Edge TPU, and the ST Micro STM32H7 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 FMUv6U 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+FMUv6U Autopilot features single-connection programming and debugging. Power the PCB, 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
- Coral Edge TPU

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
2 × FPC CONNECTOR 15POS 1mm Vertical
2 × Hirose 100-pin DF40 connector, 3mm stack height
1 × Google Coral Accelerator Module

Product links
- Github
- Buy On Mouser Electronics
- Buy On Arrow Electronics
- Technical Specifications
- Geppetto®Workspace