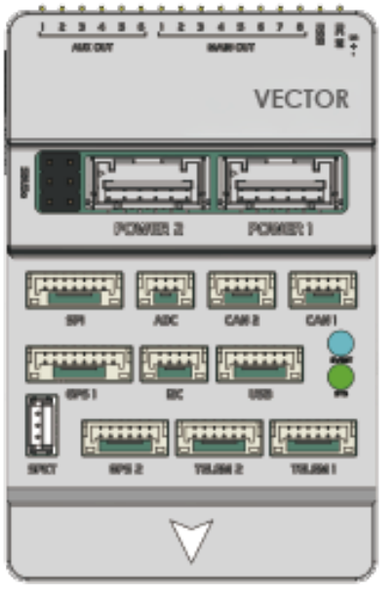
RUGGON

Always on Rugged



Power Module

FCC/CE/PSE Approvals

- Pixhawk Stardand V6X
- Fully Compatible with Ardupilot and PX4-Autopilot
- 6061 aluminum alloy housing
- FCC/CE/PSE Approvals
- ArduPilot Corporate Partners

Specification

Processor

- 32-bit ARM Cortex M7 core with FPU
- STM32H7 480 MHz / 2 MB Flash
- STM32F1 IOMCU
- TCXO

Sensors

IMUs:

- ICM-42688-P 6-Axis MEMS IMU (GYRO Noise 2.8(mdps/rt-Hz))
- IIM-42652 6-Axis MEMS IMU (GYRO Noise 3.8(mdps/rt-Hz))

Barometer

- SPL06-001

Compass

- QMC5883L

Power

- Maximum Voltage Input : +5.0V ~ +6.0V

Interfaces

- PWM 14 (PWM x 8, AUX x 6)
- Telemetry x 2
- CAN x 2
- USB x 1
- I2C x 1
- SPI x 1
- GPS x 2 (GPS x 1 + UART x 1)
- S.BUS input
- PPM sum signal
- RSSI Input
- 3.3V and 6.6V ADC inputs

Dimensions

- Length: 73.8 mm
- Width: 47.5 mm
- Height: 16.95 mm

Weight

- 56g

Place of origin

- Design and Made in Taiwan

Compliance

- FCC:
  - 47 CFR FCC Part 15 Subpart B (Class B)
  - ANSI C63.4: 2014

CE:

- EN 55032:2015+A11:2020
- EN 55035:2017+A11:2020
- EN IEC 61000-3-2:2019/A2:2024
- EN 61000-3-3:2013/A2:2021/AC:2022

PSE:

- J62368-1(2023)

Environmental (Temperature)

- Operating: Temperature:
  - -40°C to +85°C
- Humidity：35 % ~ 85 % RH

Storage: Temperature:

- -40°C to +85°C
- Humidity：10 % ~ 95 % RH
- Humidity 95% non-condensing

Vibration (operating)

- Frequency Range：10Hz ~ 1000Hz
- Acceleration：5g
- Test Duration：480 min
- Test Axis：Vertical axis, Z-axis
- Test Method：Sinusoidal sweep

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