

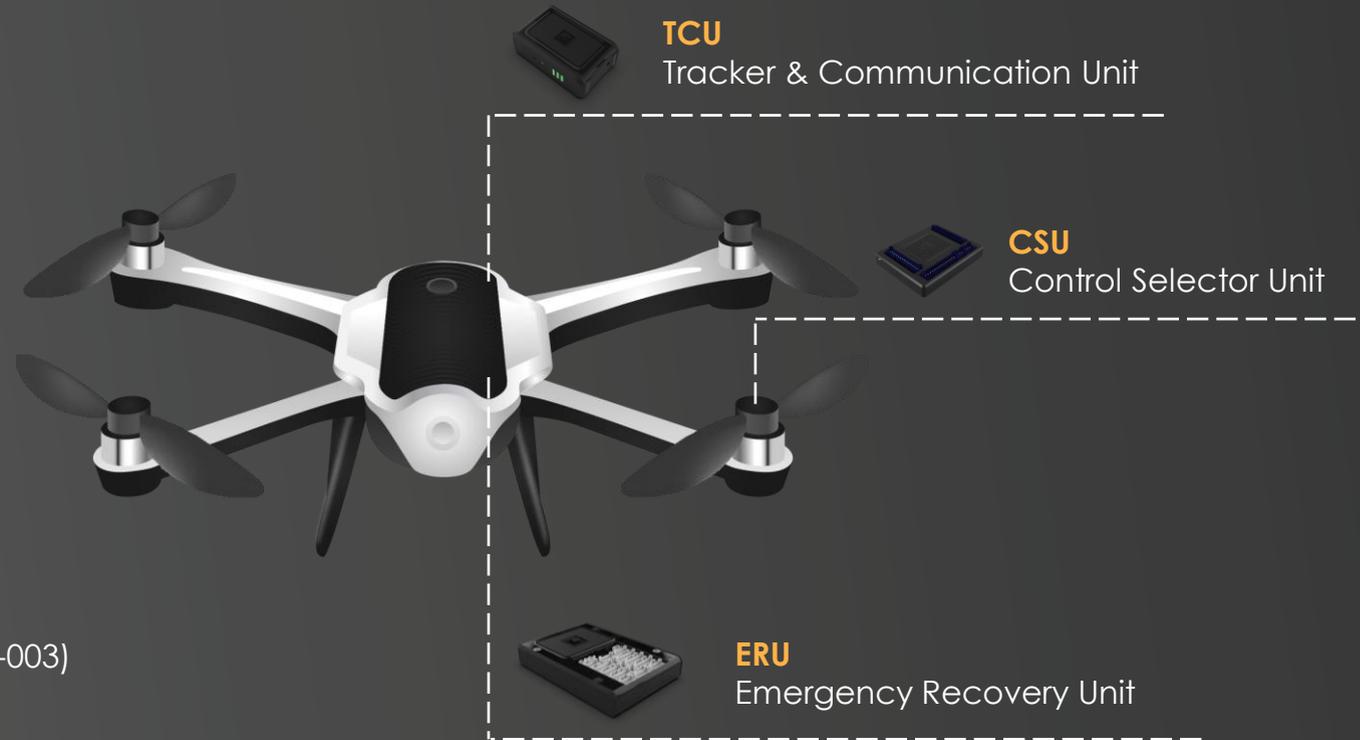
PRIMECOR ZERO

Plug-and-play safety kit

-  Flight Termination System
-  Enhanced containment:
Geo-fencing & Geo-awareness
-  Manual and autonomous
Mitigation Actions
-  MAVLink compatible
-  Black box data log

Compliance

- ✓ DRI Standard (prEN 4709-002)
- ✓ Geo-Awareness Requirement (prEN 4709-003)
- ✓ MoC Light-UAS.2511
- ✓ MoC Light-UAS.2512
- ✓ RoHS
- ✓ CE Marking



TCU TRACKER & COMMUNICATION UNIT

E-identification DRI & NRI

- Direct: Bluetooth 4.0 Legacy + 5.0 Long Range
- Network: LTE
- According to prEN 4709-002 and ASTM F3411 standards

Sensors

- GNSS
- Absolute barometric accuracy below 4m
- Gyroscope
- Temperature sensor

SIM card

- NanoSIM slot
- Optional MFF2

Data logging

- Internal storage (1 GB)

Antennas

- Internal GNSS
- Internal LTE
- Internal Bluetooth

Protocols

- CAN; Baudrate: 500 k

Power

- Voltage: 5 V
- Average current: 150 mA
- Max current: 1.5 A

Enclosure material

- PLA
- IP54

Operating temperature

- -20 to 50 °C

Indicators

- Power
- GNSS
- LTE

Weight

- < 50 g

Dimensions



CSU CONTROL SELECTOR UNIT

Input signals

- ➔ • 2x inputs channels with 12 signals (PWM)
- 2x control digital signals (3.3 V/5 V)

Output signals

- ➔ • 1x selected channel with max 12 signals (PWM)

Operating voltage

- ⚡ • 5 V

Functions

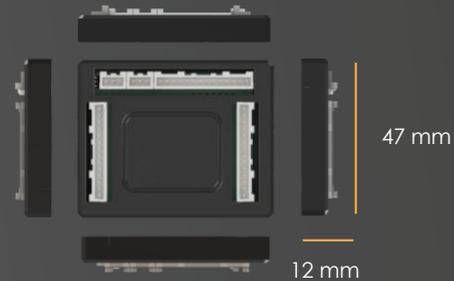
- ✔ • Set to 0 all input signals (Flight Termination System)
- Switch between 2 channels (Secondary Flight Control Computer)
- AND logic configurable by HW with 2 signals

Weight

- 📏 • 17 g

Dimensions

- 📏 • 60 mm



CSU ADAPTER

Input signals

- ➔ • 12x signals (PWM)
- 1x 5 V signal
- 3x ground (GND)

Output signals

- ➔ • 12x signals (PWM)
- 12x 5 V signals
- 12x ground (GND)

Weight

- 📏 • 18 g

Dimensions

- 📏 • 47 mm



ERU EMERGENCY RECOVERY UNIT

Communication protocol

- MAVLink

Sensors and receivers

- 2x 6-axis IMU
- 1x barometer
- 1x magnetometer
- 1x temperature sensor

Interfaces

- 12x ADC inputs
- 2x CAN BUS
- 12x CAP - PWM
- 3x UART
- 14x GPIO
- 1x RS232

Storage

- Internal SD card

Power input

- Dual 5 - 28 V DC

Compatible radios

- 433, 868, 900 MHz radios, and UART, RS232 interfaces

Maximum power

- 2 W

Temperature operation

- -20 to 50 °C

Weight

- 60 g

Dimensions



PRIMECOR

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