



# PRIMECOR ZERO

## C5 & C6 UAS Conversion Kit



Flight Termination System



Enhanced containment:  
Geo-awareness & Contingency measure trigger



Manual and autonomous  
Mitigation Actions



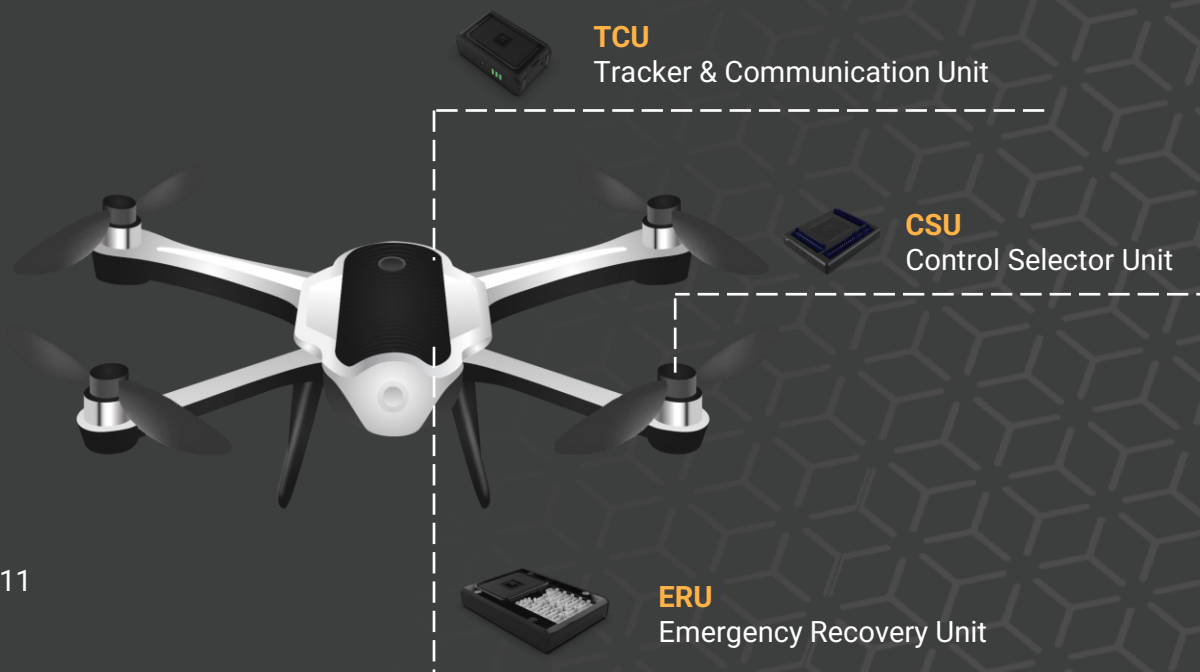
MAVLink compatible



Black box data log

### Compliance

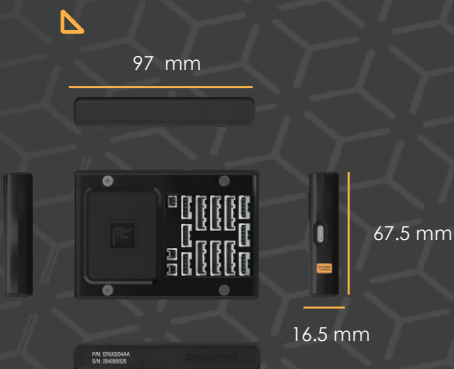
- ✓ DRI Standard (prEN 4709-002)
- ✓ MoC Light-UAS.2511 MoC with Light-UAS.2511 (Containment)
- ✓ MoC with Light-UAS.2512 (M2 MoC high robustness)





# ERU

## EMERGENCY RECOVERY UNIT

| Communication protocol                                                                                                                                                                   | Sensors and receivers                                                                                                                                                                                                           | Interfaces                                                                                                                                                                                                                                           | Storage                                                                                                                                                | Power input                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <ul style="list-style-type: none"> <li>MAVLink</li> </ul>                                              |  <ul style="list-style-type: none"> <li>2x 6-axis IMU</li> <li>1x barometer</li> <li>1x magnetometer</li> <li>1x temperature sensor</li> </ul> |  <ul style="list-style-type: none"> <li>12x ADC inputs</li> <li>2x CAN BUS</li> <li>12x CAP - PWM</li> <li>3x UART</li> <li>14x GPIO</li> <li>1x RS232</li> </ul> |  <ul style="list-style-type: none"> <li>Internal SD card</li> </ul> |  <ul style="list-style-type: none"> <li>Dual 5 - 28 V DC</li> </ul> |
| Compatible radios                                                                                                                                                                        | Maximum power                                                                                                                                                                                                                   | Temperature operation                                                                                                                                                                                                                                | Weight                                                                                                                                                 | Dimensions                                                                                                                                             |
|  <ul style="list-style-type: none"> <li>433, 868, 900 MHz radios, and UART, RS232 interfaces</li> </ul> |  <ul style="list-style-type: none"> <li>2 W</li> </ul>                                                                                         |  <ul style="list-style-type: none"> <li>-20 to 50 °C</li> </ul>                                                                                                   |  <ul style="list-style-type: none"> <li>64 g</li> </ul>             |  <p>97 mm</p> <p>67.5 mm</p> <p>16.5 mm</p>                        |

# 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



- 65 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

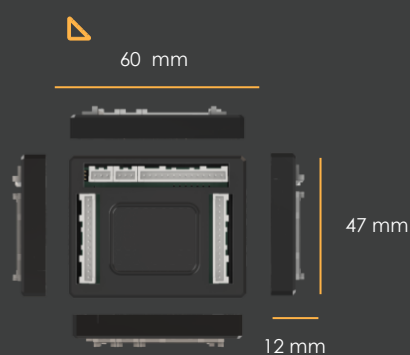
## Functions

- 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

- 15 g

## Dimensions



# 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

- 16 g

## Dimensions

