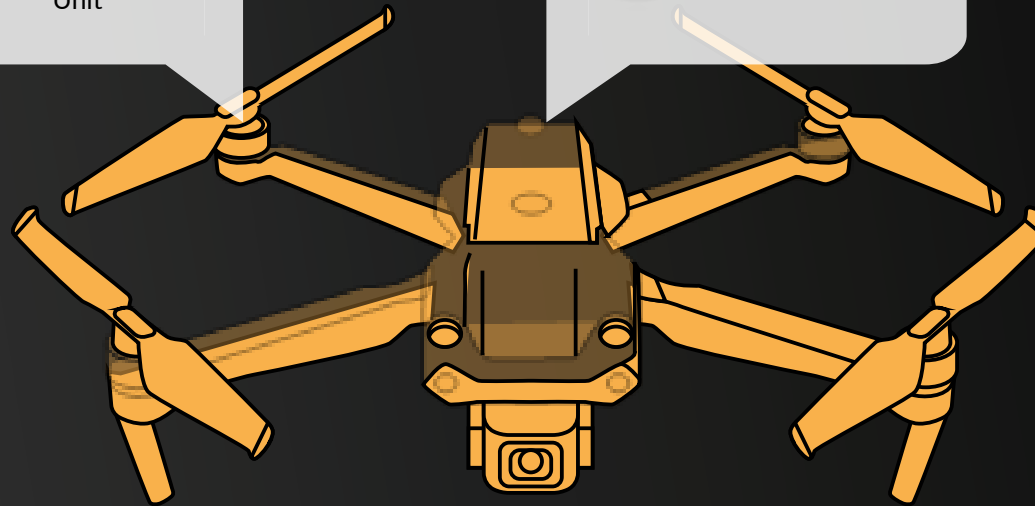


PRIMECOR

SAFETY AUGMENTATION SYSTEMS FOR UAS

PRIMECOR ENHANCED CONTAINMENT

TECHNOLOGY IN-HOUSE



TCU TRACKER & COMMUNICATION UNIT

E-identification DRI & NRI

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

Sensors

- GNSS
- Barometer
 - Absolute Accuracy
 - Below 3.2. altitude
- Relative accuracy
- Below 0.08m altitude
- Accelerometer
- Gyroscope
- Magnetometer
- Optional 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

- ABS
- IP64

Operating temperature

- -20 to 60 °C

Indicators

- Power
- GNSS
- LTE

Weight

- < 45 g

Dimensions



PMU

POWER
MANAGEMENT
UNIT

Operating voltage

⚡ • 5 V

Maximum measuring current

⚡ • 30 A

Maximum voltage (power line)

⚡ • 48 V

Current measurement resolution

⚡ • 0.15 V/A

Connectors

🔌 • XT-30 (power line)
JST (B02B-PASK-2),
digital/analog signals

On/Off input

🔌 • Digital signal 3.3V/5V

Analog output current measurement

⚡ • 0 - 4.5 V

Max. voltage drop current measurement

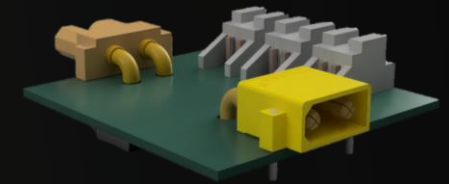
⚡ • 0.09 V

Weight


📏 • <15 g (provisional)

Dimensions

📏 • 33.3 x 44.5 x 20 mm
(provisional)




PRIMECOR

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