



CLOUD CONNECTION



AI FEATURES



5G CONNECTIVITY

## REDPEAK

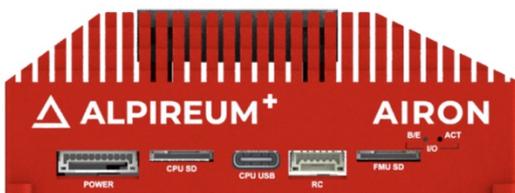
The most versatile Hybrid VTOL solution with AI, 5G and SATCOM onboard

### AIRCRAFT SPECIFICATIONS

REDPEAK-480	REDPEAK-700	
4800	7000	mm wingspan
65	200	kg MTOW
10	14	hours endurance
1000	1400	km flight range

### POWERED BY AIRON

AIRON is an Artificial Intelligence & Remote Operating Node. The unit includes cutting-edge drone autopilot, AI mission computer and 5G connectivity unit.



### AI INTELLIGENCE

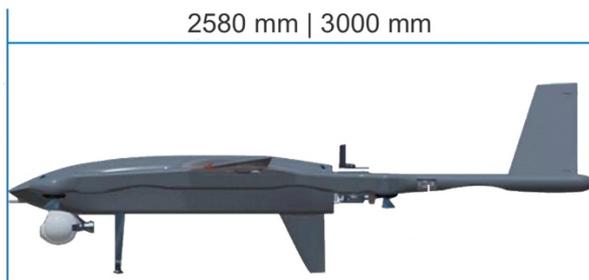


- + Objects detection, identification, classification, recognition and tracking
- + Automatic Number Plate Recognition
- + Predictive Threat Analysis - Algorithms to detect and classify targets in real time
- + GNSS Denied navigation Visual-based positioning in non-GPS environments
- + Scalable solution with an option to run multiple aircrafts simultaneously

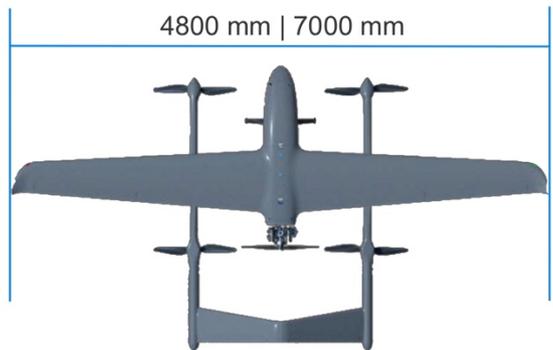
## TECHNICAL SPECIFICATIONS

REDPEAK Hybrid series are long-endurance tail-pushed VTOL UAVs with high efficiency specifically designed for long-range inspection, surveillance and reconnaissance jobs. They can stay in the air for over 10 hours and cover a hundreds of kilometers on a single tank of fuel.

PARAMETER	REDPEAK-480	REDPEAK-700
Wingspan	4800 mm	7000 mm
Length	2580 mm	3000 mm
Material	Carbon Fiber, Kevlar	Carbon Fiber
Basic empty weight	37.5 kg (no battery)	70 kg (no battery or fuel)
Max. take-off weight	65 kg	200 kg
Suggested payload	15 kg	50 kg
Endurance	15 kg, 4h, 2kg, 10h no payload, 12+h	50kg, 9h, 30kg, 10h, no payload, 15h+
Max cruising speed	36 m/s	31 m/s
Stall speed	22 m/s	24 m/s
Max flight altitude	4200 m	5000 m
Battery	4x25000 HV 22.8V for lift motor + 1x16000mah for system.	LiPo 6s 41000 mAh
Battery cabin	370 mm x 250 mm x 180 mm	280 mm x 200 x 150 mm
Wind resistance	Up to 14 m/s Fixed wing Mode Up to 6 m/s VTOL Mode	Up to 13.8 m/s Fixed wing Mode Up to 8 m/s VTOL Mode
Operating voltage	12S	12S
Operating temperature	-10...+60°C	-20...+50°C
Weather resistance	IPX4	IP54
Carrying case	(1830 x 490 x 1150) + (1860 x 1040 x 770) mm	Custom



2580 mm | 3000 mm



4800 mm | 7000 mm

