

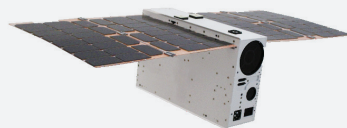
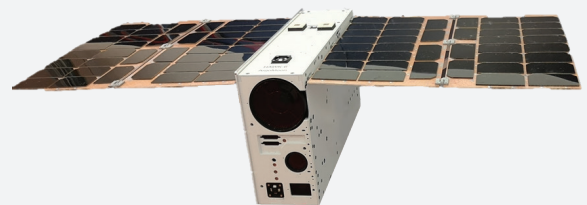
HAWKE PLATFORM

Argotec Project

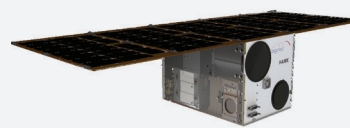


PRODUCT BRIEF

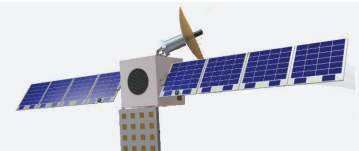
The combination of reliability and radiation hardness allows the Hawk platform to deal with the harsh space environment. It is suitable to bring your payload into orbit and will drastically reduce the failure rate if compared to traditional CubeSat buses. The Hawk platform's design, development, manufacturing and qualification are carried out entirely by Argotec to meet the customers' requirements. The HAWK platform can be customized according to the Payload's mass, volume, launcher, and mission objectives. It is able to reach celestial bodies that are very far from Earth, as well as performing missions in Earth orbit thus greatly increasing the operational life of the mission.



6U



12U



27U

	6U	12U	27U
Payload Mass	up to 3 kg	up to 12 kg	up to 30 kg
Payload Volume	up to 3.5U	up to 8U	up to 15U
Payload Peak Power	up to 40W	up to 40W	up to 80W
Power System	3.3V, 5V, 12V, 28V Secondary battery up to 120Wh	3.3V, 5V, 12V, 28V Secondary battery up to 250Wh	3.3V, 5V, 12V, 28V Secondary battery up to 480 Wh
Solar Array Peak Power	40W, or 80W	40W, 80W, or 120W	up to 300W
Attitude Control	3-axis stabilised		
Attitude Determination	Sun sensors, Star Tracker, Accelerometers		
Guidance, Navigation and Control	Delta DOR, sequential ranging, pseudonoise ranging, GNSS		
Position Knowledge	+/- 5m		
Data Buses	RS422, LVDS, SpaceWire, SPI, I2C, CAN		
Bus Provided Data Storage	up to 64 GB		
COMM	Uplink: UHF, S-Band, X-Band, K-Band Downlink: UHF, S-Band, X-Band, K-Band		
Telemetry Radio Transmitters	DS: 100 bps to 3 Mbps LEO: 1 kbps to 100 Mbps	DS: 100 bps to 3 Mbps LEO: 1kbps to 100Mbps	DS: 10 bps to 100 Mbps LEO: 1kbps to 100Mbps
Command Radio Receives	DS: 100bps to 4 kbps LEO: 100bps to 30Mbps	DS: 100bps to 4 kbps LEO: 100bps to 30Mbps	DS: 10 bps to 30 Mbps LEO: 100bps to 30Mbps
Propulsion	up to 70 m/s (chemical propulsion) up to 600 m/s (electrical propulsion)	up to 160 m/s (chemical propulsion) up to 1 km/s (electrical propulsion)	up to 400 m/s (chemical propulsion) up to 3.5 km/s (electrical propulsion)
Schedule	15-18 months	15-18 months	15-18 months

For further information

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