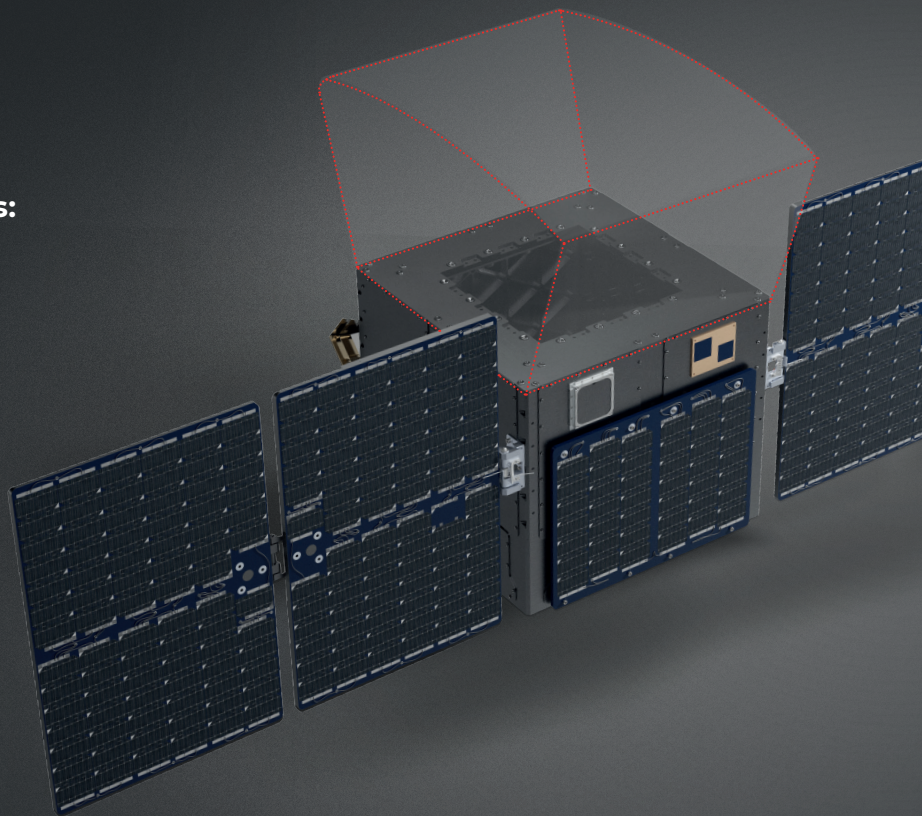


HAWK PLUS

**Standard platform, tailored missions:
microsatellites up to 130 kg**

HAWK PLUS is the modular microsatellite platform that combines standardization and flexibility to enable faster and cost-effective missions.

Designed and industrialized at Argotec SpacePark, HAWK PLUS uses stocked modules and allows payload integration at the final stage, ensuring tailoring to mission requirements. An innovative architecture for faster, more efficient, and scalable access to space.



RAPID INTEGRATION FOR FASTER TIME TO LAUNCH

The HAWK PLUS architecture combines series production with decoupling between satellite bus and payload. This streamlined approach minimizes lead times, ensuring a short time-to-launch for any mission.

PROVEN RELIABILITY FOR NEW MISSIONS

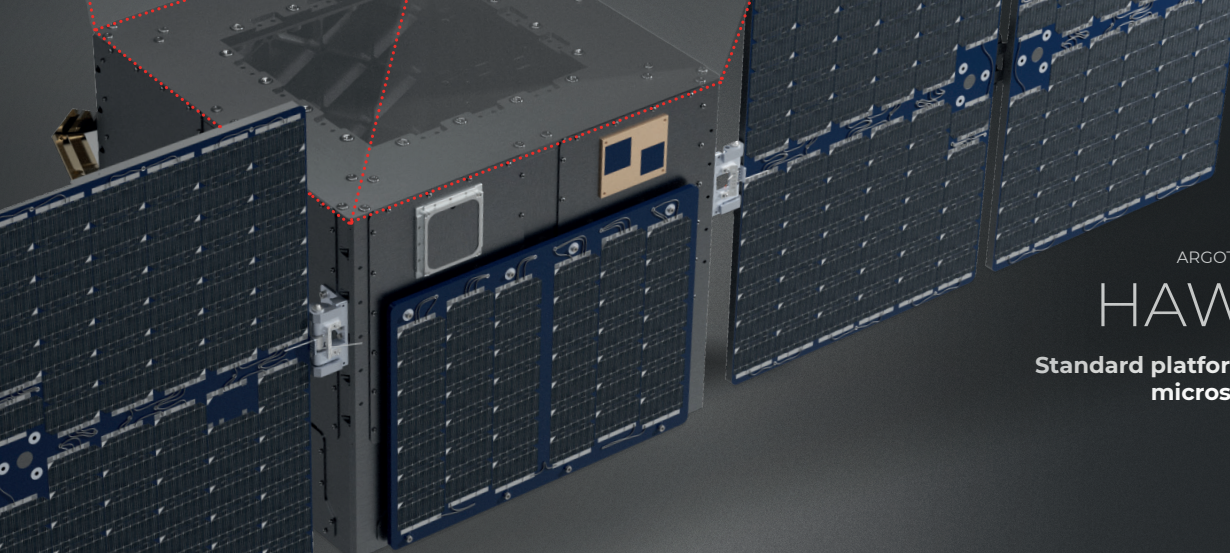
HAWK PLUS leverages a standardized and modular avionic bus, ensuring that each satellite builds upon a proven core framework rather than being designed from scratch.

This approach enhances reliability while maintaining flexibility to accommodate mission-specific requirements.

SCALABLE AND CONSTELLATION READY

The HAWK PLUS platform is built for multi-unit missions, enabling the deployment of robust constellations. Standardization ensures consistency across satellites.

Modularity enables mission adaptation and capability extension through future upgrades, without requiring full redesigns.



ARGOTEC PRODUCTS | DATA SHEET

HAWK PLUS

Standard platform, tailored missions:
microsatellites up to 130 kg

SPACECRAFT PERFORMANCE

	Baseline	Extended
BUS DRY MASS	75 kg	130 kg
PLATFORM ENVELOPE	Stowed: L 575 × W 644 × H 739 mm Deployed: Depending on Solar Panels Configuration	
SOLAR ARRAY POWER GENERATION BOL (AMO)	up to 240 W	up to 440 W
BATTERY CAPACITY	270 Wh (Operative Range) 360 Wh (Full Range)	340 Wh (Operative Range) 450 Wh (Full Range)
COMPUTING CAPABILITIES	OBC: 130 DMIPS (CPU only, FPGA available)	
DEDICATED PAYLOAD DATA PROCESSOR	Up to 40 GFLOPS (CPU only) Up to 100 GFLOPS (GPU only)	
ON-BOARD STORAGE MEMORY	OBC: 16 GB Dedicated PDP: 240 GB (Expandible)	
ADDITIONAL AI ACCELERATION	Up to 4 TOPS	
OBC&DH PROTOCOL	CCSDS, PUS	
COMMS DATA BAND	S-Band, X-Band, L-Band	
PAYLOAD DOWNLINK RATE	Up to 218 Mbps (with X-Band)	
TM/TC DOWNLINK AND UPLINK	Up to 128 kbps (with S-Band)	
DELTAV	From 65 m/s (Chemical) From 140 m/s (Electrical)	Up to 170 m/s (Chemical) Up to 1.05 km/s (Electrical)
GNSS ACCURACY	< ± 10 m	
ATTITUDE STRATEGY	3-axis stabilized	
POINTING ACCURACY	< ±10 arcsec (1σ) for all 3 axes	
ABSOLUTE KNOWLEDGE ERROR	< ±10 arcsec (1σ)	
MOMENTUM STORAGE	1 Nms per Axis	
TARGET ENVIRONMENT	LEO (baseline) MEO/GEO and beyond upon request	
DESIGN LIFETIME	> 5 years (Depending on Mission Scenario)	

PAYLOAD FEATURES

	Baseline	Extended
PAYLOAD ALLOCATED VOLUME	L 540 × W 540 × H 300 mm (on payload deck) with additional L 310 × W 310 × H 372 mm (inside avionic deck)	
PAYLOAD MAXIMUM MASS	30 kg	
PAYLOAD ELECTRICAL INTERFACE & PEAK POWER	5V line: 20 W 12V line: 48 W 28V line: 240 W	5V line: 40 W 12V line: 144 W 28V line: 400 W
PAYLOAD OAP	20 W	100 W
PAYLOAD DATA INTERFACE	SpW, RS-422, CAN, SPI, PPS, GPIO	
PAYLOAD TYPOLOGIES	Optical, Hyperspectral, Radar&SAR, CubeSat Cargo, Spectrum Monitoring, SSA	

VERSION 3 - 2025