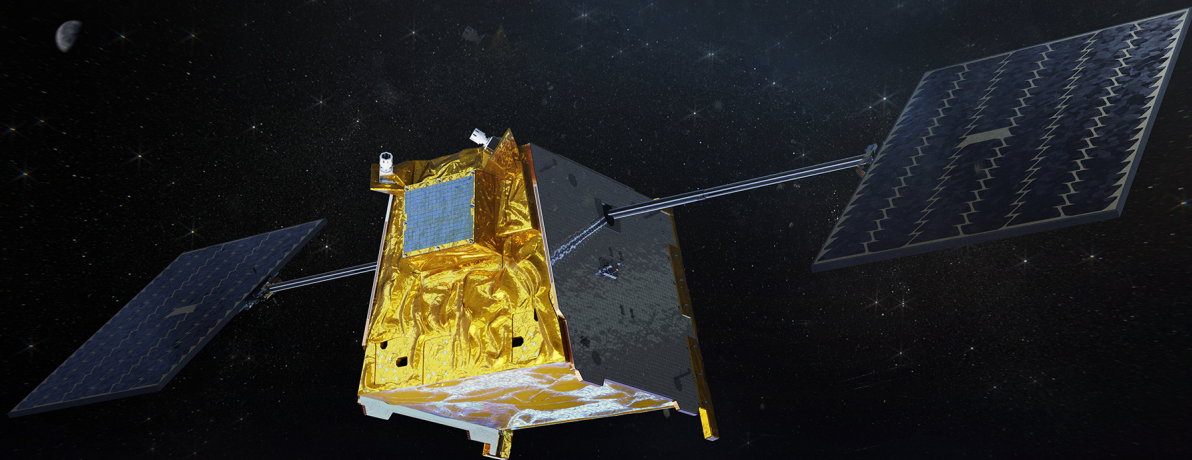


ARROW150



AIRBUS

U.S. SPACE & DEFENSE



Specifications

Characteristics	ARROW150
Class	ESPA Grande
Payload Mass	100 kg
Payload Volume	1 m ³
Payload Power	250 W Average (EOL) 700 W Peak
Power Bus	22-38 V Unregulated
Nadir Deck Area	800 x 750 mm
Avionics Architecture	Simplified CAN / SpaceWire / Ethernet
Attitude Control Performance	Pointing Control: 0.3 3-sigma Pointing Knowledge: 0.3 3-sigma Position Knowledge: 10 m 1-sigma Velocity: 0.06 m/s 1-sigma Time Accuracy: 50 ns 1-sigma
Connectivity	Commercial Ka (baseline) S-band (option) Optical Comm (option)
Propulsion	800 m/s ΔV @ 200 kg total mass

Value

- Scale:** High-volume spacecraft production optimized for proliferated national security LEO constellations.
- Price:** Low recurring cost achieved through integrated supply chain, industrialization of processes, and the use of COTS equipment.
- Quality:** Applying large scale production, assembly and test approaches from other industries including advanced levels of smart automation.
- Flight Proven:** 618 satellites on orbit. Compatible with all launchers.
- Reliability:** High reliability standards, five years minimum lifetime in LEO orbit (at 1,200km).
- Regulation:** Compliant with post-mission spacecraft disposal regulations.

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