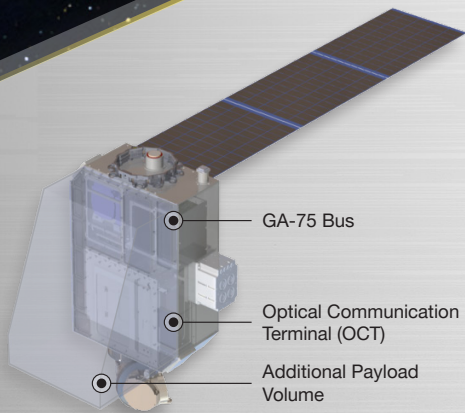


GA-75



Resilient, modular, and configurable half ESPA bus design supporting a variety of Comms and ISR missions

Customizable to operate over a wide range of orbits including all inclinations, and compatible with multiple launch vehicles

Utilizes standard payload interfaces to enable seamless integration and mission-ready delivery times

GA-75 PARAMETER		GA-75 VALUE
SPACECRAFT (S/V) CAPABILITY	Orbit	LEO (400-600 km), all inclinations (Configurable for other orbits)
	Mass (Basic/Launch)	Up to 40 kg/75 kg
	Volume	Half ESPA up to ESPA compatible depending on payload volume (Configurable for other launches)
	Mission/Program	Manhattan
	Launch Vehicle Compatibility	Falcon 9, L1, Alpha (Others as required). 8" adapter ring (12" option available)
	Design Life	1-5 years
	Stabilization	3-axis, 0.01 deg, 1 σ
	Voltage	14.4 V +/- 2 Vdc
	Telemetry, Tracking & Command Rate	S-band, Up to 100 kbps uplink/downlink; L-band secondary; X-band, 10 Mbps downlink options available
	Mission Data Rate	S-band, Up to 1 Mbps uplink/downlink; 1 Gbps optical w/OCT
	On-board Storage	>10 Gbytes, additional storage options available
PAYLOAD (P/L) ACCOMMODATION CAPABILITY	Propulsion	Indium Ion (Other traditional, electric, and green options available); Up to 900 m/s ΔV
	Mass	Up to 35 kg
	OAP/Peak	Up to 18 W/430 W (Customizable for mission needs) Payload accommodation: power conversion available (6 V, 12 V, and 28 V)
	Volume	Variable (Launch configuration dependent)
	Field of Regard/View	Hemispherical unobstructed FoV
	Mission Data Handling	Up to 1 Gbps from P/L to S/V (Optical-based configuration)
	Command/Data Interface	Fully configurable (i.e. LVSD, RS422, SpaceWire)
	Thermal Control	Passive, payload controlled
	Heat Rejection	Up to 18 W average, 200 W peak