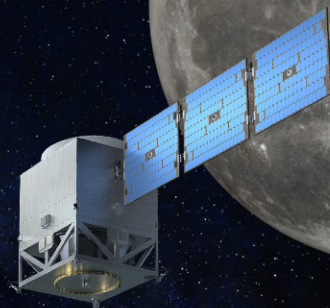
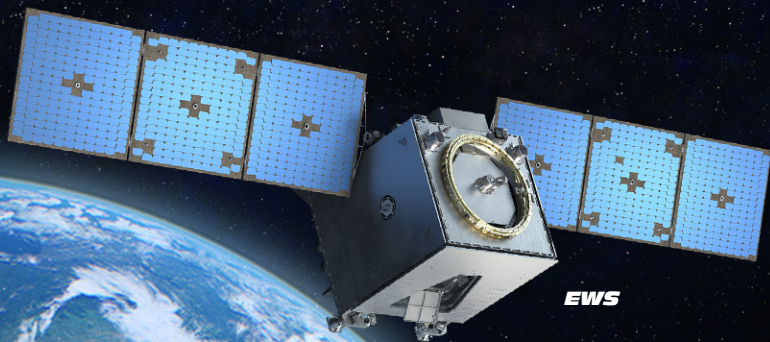


GA-500



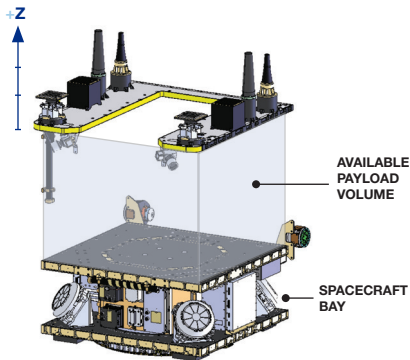
ORACLE



EWS

GA-500

- Resilient, modular, and configurable ESPA-Grande bus design supporting Environmental Monitoring, Space Situational Awareness, Comms, and ISR missions
- Customizable to operate over a wide range of orbits (including Cislunar) and compatible with multiple launch vehicles
- Utilizes standard payload interfaces to enable seamless payload integration and mission-ready delivery times



Spacecraft can grow in Z direction to accommodate various tank sizes

	PARAMETER	VALUE
SPACECRAFT (S/V) CAPABILITY	Orbit	All orbits, all inclinations (Including xGEO/Cislunar)
	Mass (Basic/Launch)	Up to 280 kg/455 kg
	Volume	ESPA-designed (Configurable for other launches)
	Mission/Program	EWS, Oracle
	Launch Vehicle Compatibility	Falcon 9, Minotaur IV (Others as required)
	Design Life	3-15 years
	Stabilization	3-axis, 0.035 deg, 3 σ
	Voltage	28 V +/- 6 Vdc
	Telemetry, Tracking & Command Rate	S-band, Up to 125 kbps uplink, 1 Mbps downlink
	Mission Data Rate	X-band, Up to 300Mbps
	On-board Storage	> 8 Gbytes, Additional storage options available
	Propulsion	Xenon Hall, Traditional Hydrazine (Electric and green options available)
	PAYLOAD (P/L) ACCOMMODATION CAPABILITY	Mass
OAP/Peak		Up to 450 W/3k W (Customizable for mission needs)
Volume		Variable (Launch vehicle dependent)
Field of Regard/View		Hemispherical unobstructed FoV
Mission Data Handling		Up to 300 Mbps from P/L to S/V
Command/Data Interface		Digital Mission/Analog Health & Status
Thermal Control		Up to 5 bus-controlled heater switches
Heat Rejection		Up to 240 W

SPACESYSTEMS.INFO@GA.COM