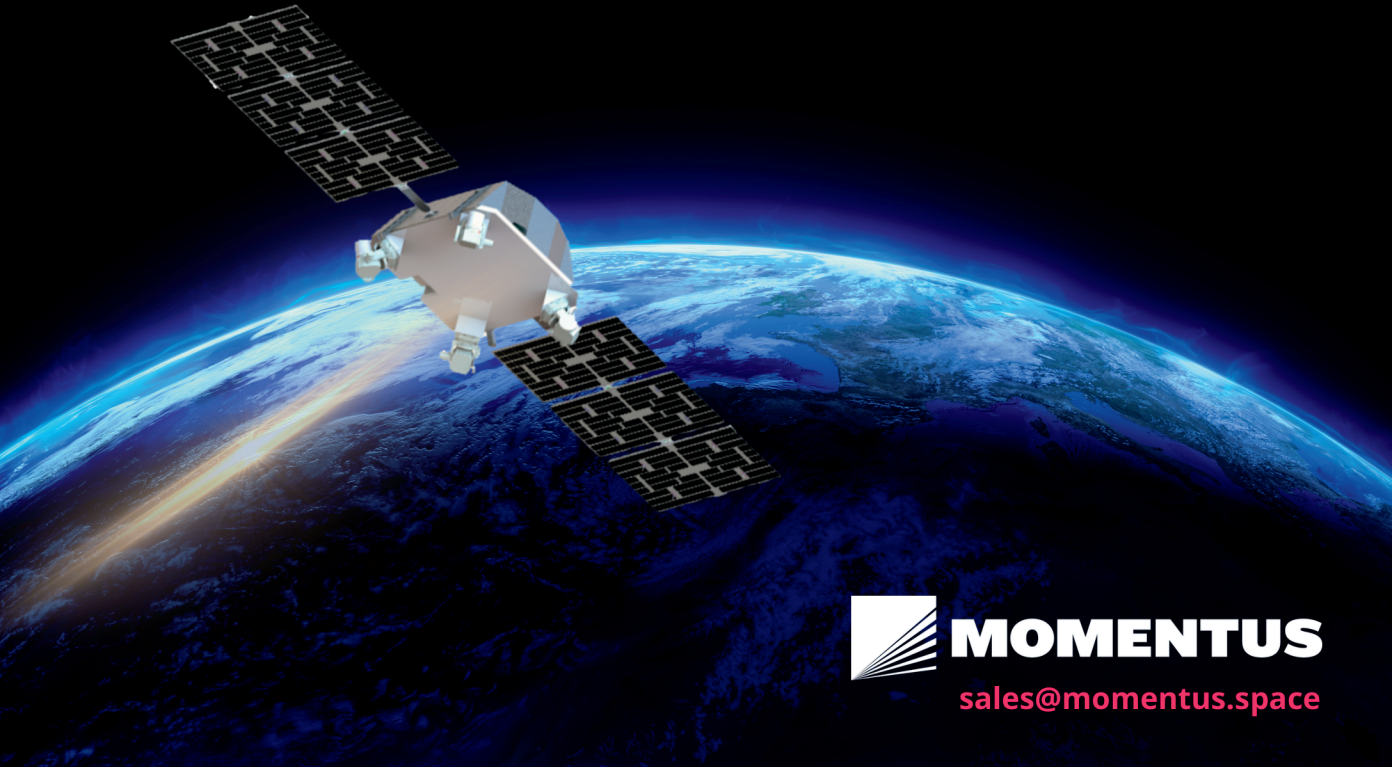


M-1000: RESPONSIVE SATELLITE BUS



MOMENTUS

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PARAMETER

PERFORMANCE

MISSION PAYLOAD	Payload Mass	350 kg (ESPA Grande, Standard) 800 kg (Dedicated/Cake Topper)
	Payload Mounting Area	2.7 m ²
	Payload Volume	1 m ³
	Data Interfaces	GigE, RS-485, SpaceWire
	Payload Thermal Dissipation @ 50C	500 W
POWER AND DATA	Peak Power Available	Up to 3 kW
	Orbit-Average Power	1kW
	Voltage	40 V to 60 V Unregulated 28 V Regulated (low- and high-power)
	Mission Data Downlink Rate	Up to 400 Mbps
	Edge Compute	GPGPU
	Data Storage	256 GiB (Standard) Configurable
GNC	Pointing Control	100 arcseconds (Standard) 10 arcseconds (Available)
	Slew Rate	Up to 1.5 deg/s
	Position Knowledge (Absolute)	500 m
	Position Knowledge (Relative, RPO)	5% of Range, Within 100 m
OPERATIONS	Ground Station Availability	Global (> 70 locations)
	Orbital Domains	LEO, GEO, Cislunar
	Orbital Lifetime	5 Years
	Launch Mass	550 kg (ESPA Grande, Standard) 1000 kg (Dedicated/Cake Topper)
PROPULSION	Chemical (Green)	4 N, 500 m/s
	Hall Effect (Kr)	78 mN, 2 km/s