

Axient CubeSat Capabilities



The Space Monkey CubeSat bus can be tailored to fit your needs and still be cost effective. Dedicated engineers can analyze trade studies for necessary subsystems such as communication, attitude control, and power management.

CLASS	3U	6U	12U
AVAILABLE PAYLOAD VOLUME	1.5U	4U	8U
PAYLOAD POWER	3.3 V, 5.0 V, unregulated battery 7.2 V		
	1 W—14W orbit average	6 W—30W orbit average	4 W—40W orbit average
PAYLOAD MASS	Up to 3.5 kg	Up to 8 kg	Up to 14 kg
POINTING ACCURACY	±1 to ±0.01 deg	±1 to ±0.01 deg	±1 to ±0.01 deg
ENERGY STORAGE	117 Wh	117 Wh	234 Wh
SOLAR ARRAY POWER	8 W—30W	20 W—60W	20 W—80W
COMMUNICATION DATA RATE	S-Band up to 2Mbps	S-Band up to 2Mbps X-Band up to 10Mbps	S-Band up to 2Mbps X-Band up to 10Mbps
PAYLOAD INTERFACE	UART, I2C, RS422, RS485		

Assumptions and Notes: Each design is price-dependent. Payload volumes listed are typical. Pointing accuracy specifications are based on components from third party vendors. Solar array power varies for payload components and depends on deployable solar array configuration.



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