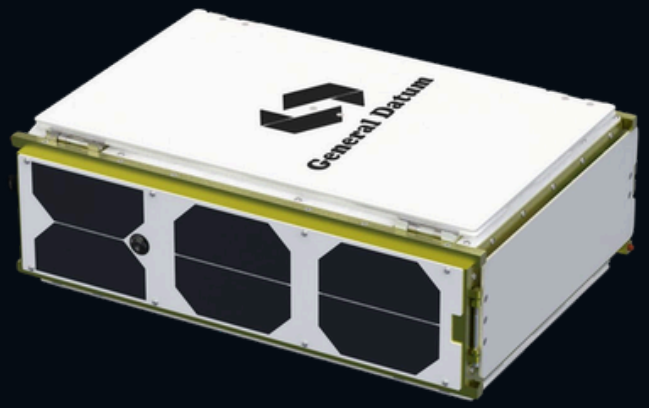
CUBESAT

- 1U, 3U, 6U, 12U, and 16U CubeSat Structure
- Lightweight Design
- Integrated ADCS, EPS, Propulsion and Solar Panel



SPECIFICATIONS

Size	3U	6U	12U	16U
Dimensions (mm)	100x100x340	226x100x366	226 x 226 x 366	226 x 226 x 454
Bus mass (max)	2.5 kg	6.5 kg	10 kg	13 kg
Payload mass (max)	3.5 kg	5.5 kg	14 kg	19 kg
Payload Volume(max)	1.5 U	3 U	6 U	10U
EPS distribution	3.3V, 5V, 12V, 28V & Custom			
Solar Cell Type	Triple-junction GaAs (30% Efficiency)			
Battery	Li-ion (space-qualified)			
Battery Capacity	30 Wh	90 Wh	180 Wh	250 Wh
Deployable solar Panel power (max)	20 W	45 W	90 W	130 W
Processor	ARM Cortex-M / (mission-dependent)			
Payload interfaces	CAN / RS422 / RS485 / UART / I²C / SPI			
TMTC radio	UHF, S-band, X-Band			
Encryption	Optional (AES-256)			
Sensors	Sun sensors, Magnetometers, MEMS Gyro, Star tracker			
Actuators	Magnetorquers & Reaction Wheel			