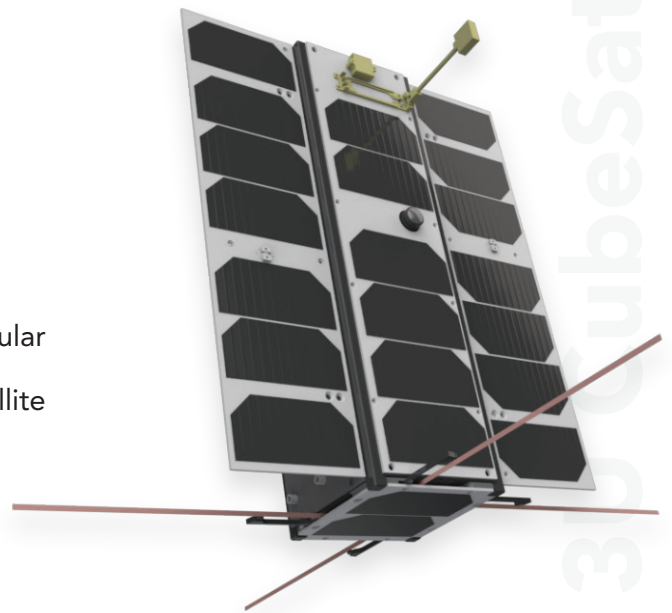


3U CubeSat Datasheet

The Azista 3U CubeSat bus is a cost-efficient, modular platform engineered for rapid deployment of nanosatellite missions across a broad spectrum of applications.



CubeSat 3U Specifications

Bus Mass	2.5 to 3.5 kg (configuration dependent)
Peak Power Generation	Up to 25 W
Available Payload Volume	1U
Available Payload Power	8 W
Available Power Supply for Payload	Regulated 3.3V DC, 5V DC and 12V DC
Telemetry Data Rate	Up to 125 kbps (UHF)
Payload Data Rate	Up to 125 kbps (UHF)
Payload Control Interfaces	UART, CAN, SPI, I2C, RS-485
Payload Data Interfaces	I2C / UART / RS-485 / SPI / CAN / MIPI CSI-2
Storage	Up to 64GB
Pointing Accuracy	Up to 5°
Mission Life	1-3 Years
Orbit	500 Km
Lead Time	>4 Months

Azista Services

Azista Leverages its end-to-end expertise in satellite development and operations.

- Mission Design and Analysis
- End-End services ranging from Satellite Design to Delivery in Space
- Launch Campaign & Support
- Deployers
- LEOPS
- Mission Operations & Support

Software

Complete software suite for CubeSat development and operations

- Subsystems Interface Library Modules
- Mission Support Library Module
- ADCS Algorithms
- CCSDS Library
- Encryption Engine

AIT Services

The state-of-the-art, ISRO-certified facility offers comprehensive end-to-end services for satellite Manufacturing, Assembly, Integration and Testing, with proven heritage in supporting multiple commercial, ISRO & POEM missions.

- Satellite Bus & Payload Integration & Support
- Qualification of Space Hardware
- Transportation Containers



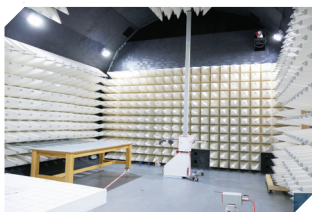
Infrastructure: Clean Rooms



Vibration Shakers



Thermovac Chambers



Semi-Anechoic Chamber



ADCS Test Setup



Climatic Chamber



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