

# PicoSatSim 2025 BETA PREVIEW

*For Educators, Aerospace Enthusiasts, and Hobbyists*

## PicoSatSim Features:

**Easy to assemble**

**AMSAT's FoxTelem Compatible**

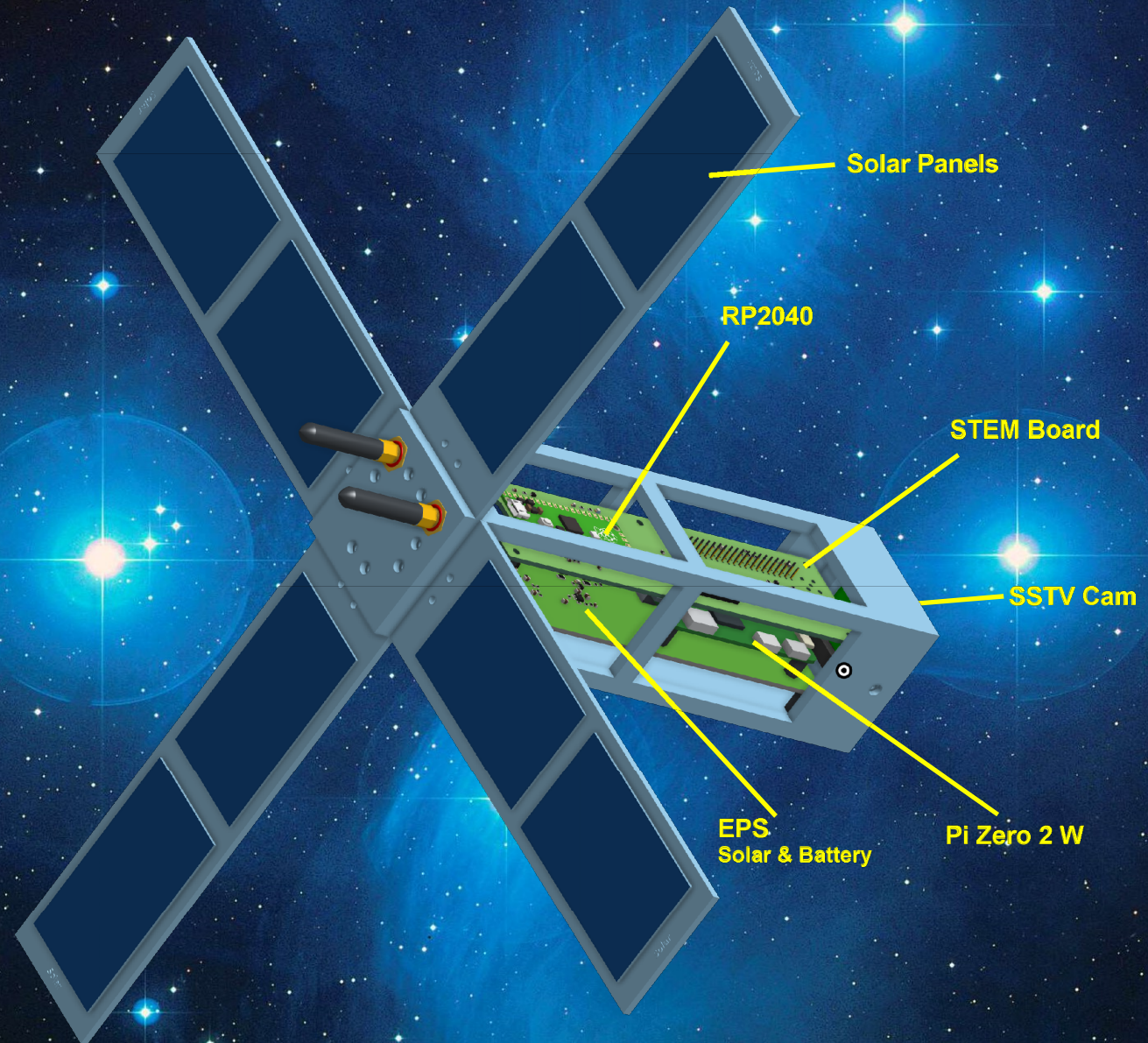
**Very affordable (under 250.00 USD)**

**Easy panel access for classroom use**

Satellite Simulators create open doors for schools and clubs to pursue space tech. Very few schools have the good fortune of successfully launching CubeSats into orbit. There are over 115,000 schools in the United States with over 75 million students. Only a handful of schools or clubs are ever chosen to fly CubeSats as secondary payloads on missions via NASA's CubeSat Launch Initiative (CSLI).

On the other hand CubeSat simulators provide an opportunity for a large number of students to have the hands-on experience of assembling and learning about CubeSats.

**Interested? Contact us:**  
**Optical Wavelength Labs**  
**space@owl-inc.com**  
**Phone: (262) 473-0643**  
**Web: omni-sat-sim.com**



**CubeSat Simulator Compatible with AMSAT's FoxTelem Software**

# Coming Soon:

**OmniSatSim**



**PicoSatSim**



## *PicoSatSim's Big Brother:* **OmniSatSim**

OmniSatSim is a powerful 4u CubeSat simulator. It has all the compatibility that PicoSatSim has for working with software like AMSAT's FoxTelem. However, the similarity stops there. As the name implies, OmniSatSim encompasses a wide range of satellite STEM technologies including Muon detector, Alpha, Beta, Gamma detectors, magnetometers, and stellar spectral analysis.

Omni also includes simulation of Attitude Determination and Control systems (ADCS) utilizing Ion Thrusters, Reaction Wheels, Magnetorquer, and a Star-Tracking Navigation system.

***AMSAT FoxTelem Compatible***

***Muon Detector***

***Alpha, Beta, and Gamma Ray detector***

***Magnetometer***

***Stellar Spectral Analysis***

***Ion Thrusters***

***Reaction Wheels***

***Magnetorquer***

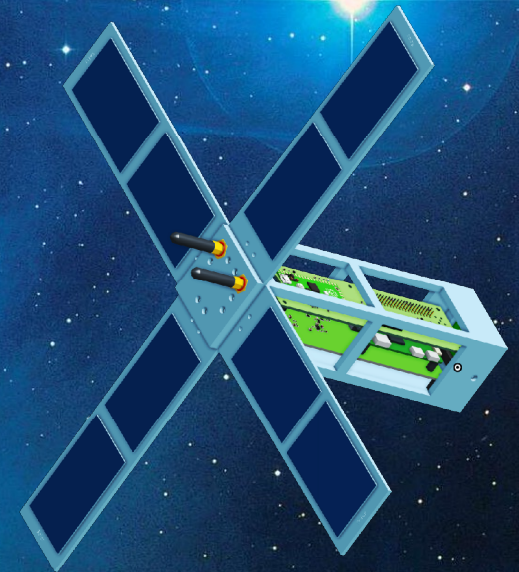
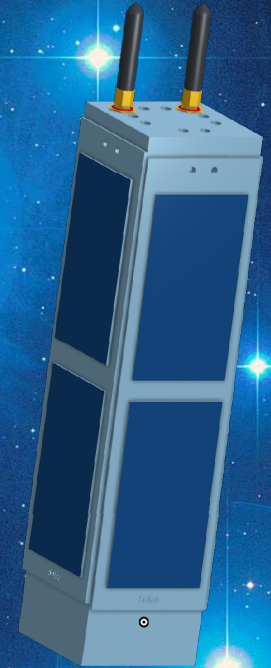
***Star Tracking Navigation System***

***Easy panel access for classroom use***

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## **PicoSatSim**

*Fully functional Simulation Kit*



## **Beta Preview**