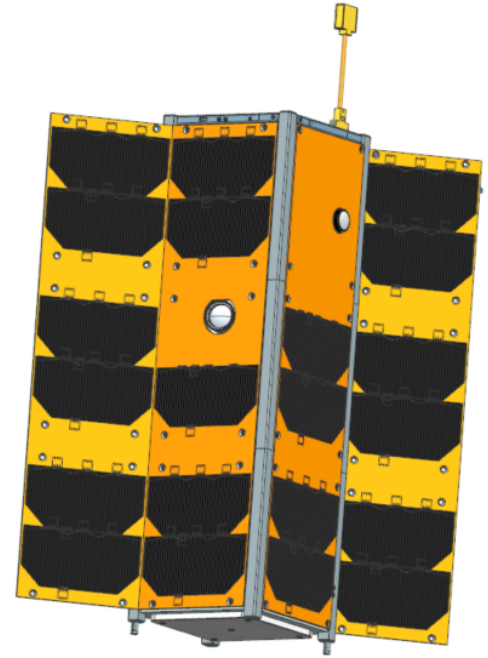


# Nebula-3

Configurable | Reliable | Innovative

Our 3U satellite platform redefines space technology with its configurable, reliable, and innovative design. Engineered for flexibility, it supports a wide range of mission profiles and payloads, ensuring adaptability to various applications. Built with robust, high-quality components, it delivers dependable performance in the harshest conditions of space. At the forefront of technological advancement, it incorporates the latest innovations to provide cutting-edge solutions for space exploration and data collection.



[Download datasheet](#)

[Get Started](#)

## Facts about Nebula-3

**30+**

Years of design  
experience

**30+**

Years of design  
experience

**30+**

Years of design  
experience

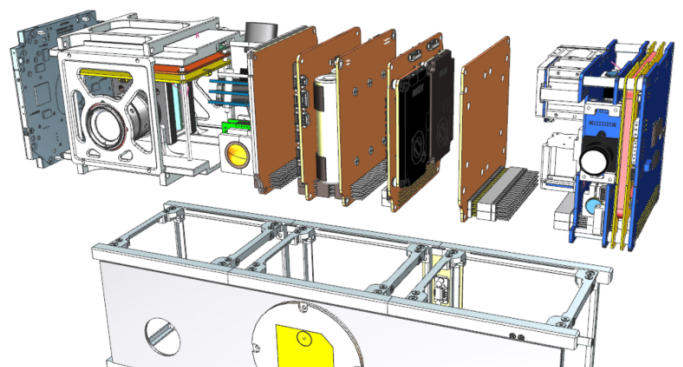
**30+**

Years of design  
experience

Configurable architecture and reliability through years of innovation

## What do you need to know about Nebula 3

The platform allows flexible configuration with modular payload integration, accommodating various mission needs like communication, remote sensing, and scientific research. Equipped with robust onboard computers, the platform manages complex tasks with fault-tolerant design to ensure reliable operation. Efficient power management is achieved through solar panels and advanced battery systems, supporting long-term missions. The satellite includes high-bandwidth communication systems for reliable data transmission and reception, enabling real-time ground station communication



Nebula-3 configurable platform support wide range of mission profiles including:



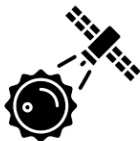
Earth Observation



Telecommunication



M2M



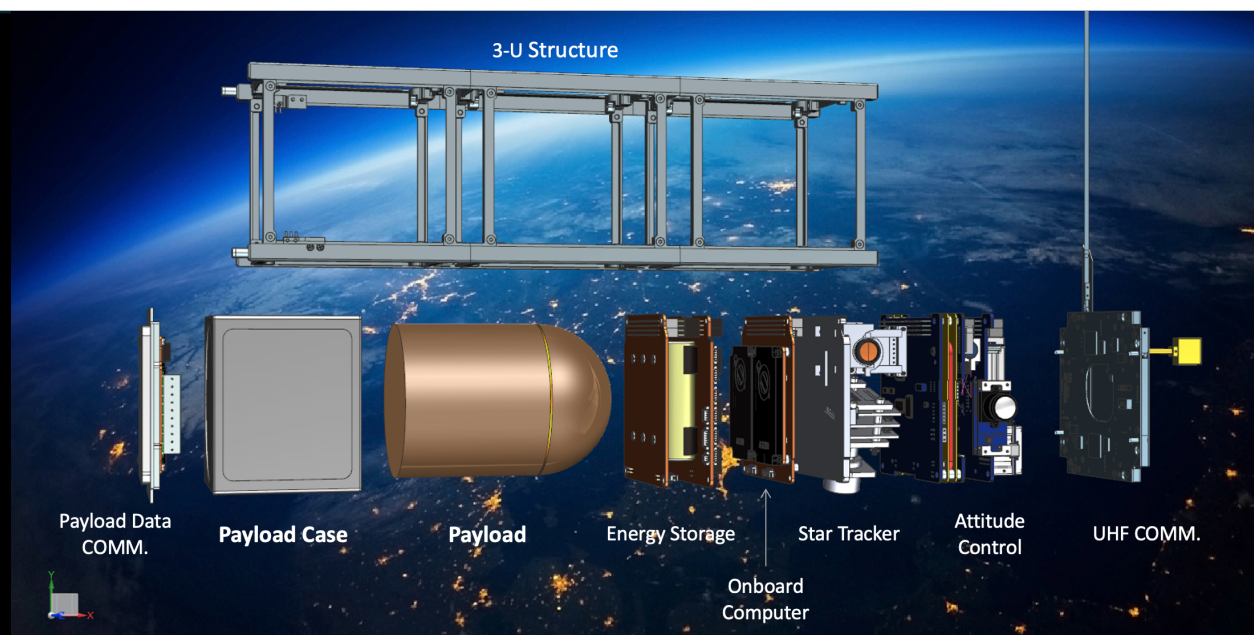
Scientific Mission



In-orbit  
Demonstration



Situational  
Awareness



# Configure your Nebula-3

The Nebula-3 platform is highly adaptable, featuring a modular design that allows for customization based on various factors. Every mission has its own distinct needs, goals, and specifications, and your mission is no different. You can modify it to accommodate your payload's size or mass, adjust power requirements, orbit selection, configure communication systems, and tailor attitude control and navigation features to meet your mission's precise demands.

## **The Nebula-3 Main Specifications:**

- 3U Standard CubeSat Satellite
- Total weight: <4kg
- Design Lifetime: Minimum 2 Years
- Design orbit: Low Earth Orbit (LEO)
- Attitude Control: 3-axis control with Reaction Wheel and Star tracker
- Payload Mass: <1.5kg
- Payload volume: 1U
- Payload Data data-rate: up to 250Mbps
- Payload power: 24W

