PLATFORM

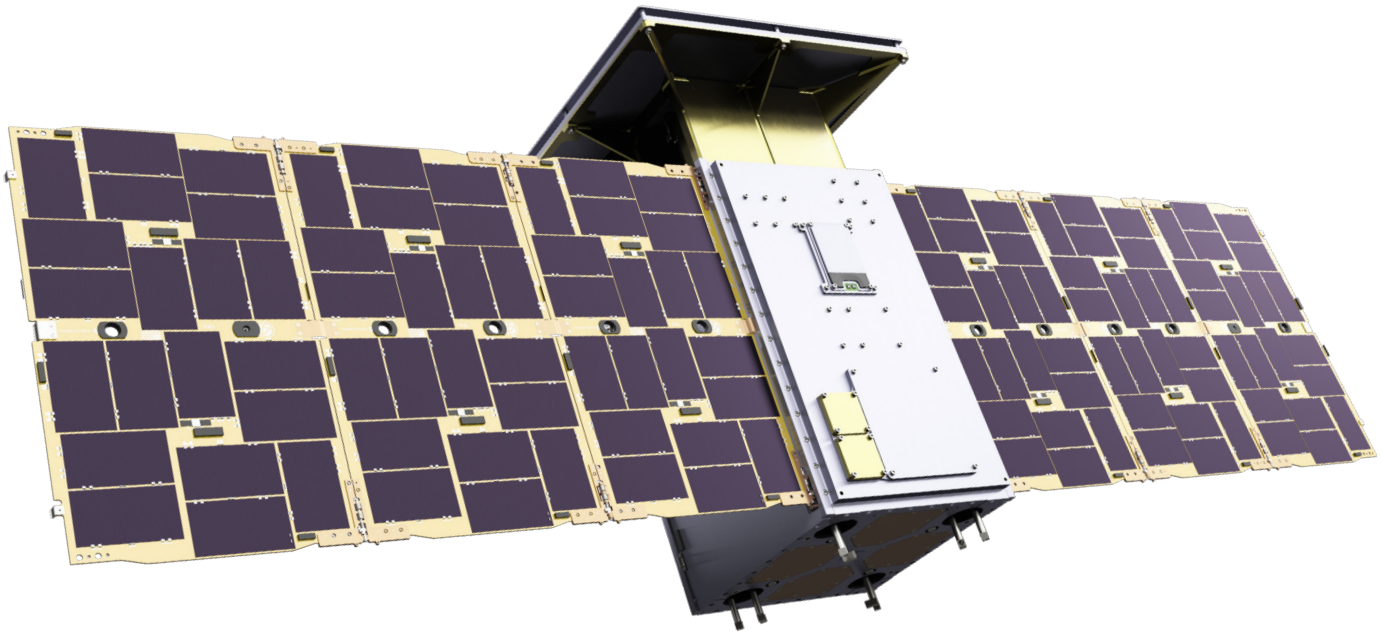
VOYAGER

Terran Orbital presents the Voyager-class spacecraft platform, a deep-space 16U spacecraft platform. Voyager is the standard point of departure for mission requirements necessitating operation beyond Earth orbit, providing a low-cost method to perform experiments beyond LEO.

Voyager is based on the previous Trestles platform and shares common hardware modules with the Triumph-class. It adds redundant components of major systems, allowing extended lifetime in harsh environments and a standard hydrazine propulsion system Terran Orbital's entire line of spacecratf shares the same avionics and GNC algorithms.

Voyager's radios are designed for compatibility with NASA's Deep Space network. The platform also meets the requirements for 'rail' based dispensers, including those sold by Terran Orbital, and has a compact tri-fold solar array, providing more power to payload than what is normally available in this form factor.

Terran Orbital employs top-of-the-line automation and modern manufacturing processes to support the delivery of hundreds of spacecraft annually. From order to launch, in quantities from one to a constellation of one hundred, Terran Orbital accelerates the delivery of mission solutions.



KEY BENEFITS

- Multiple redundant components allowing significant utility in harsh environments such as MEO, GEO, and Cislunar orbits.
- Radios designed for compatibility with NASA's Deep Space Network
- Based on hardware with GEO and Cislunar flight heritage, including NASA's CAPSTONE mission

TERRAN ORBITAL™

PLATFORM

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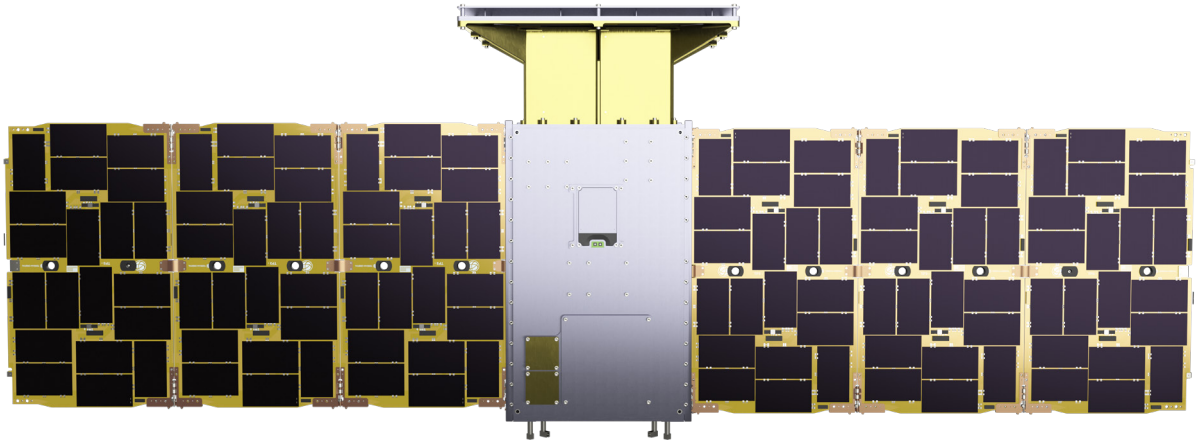
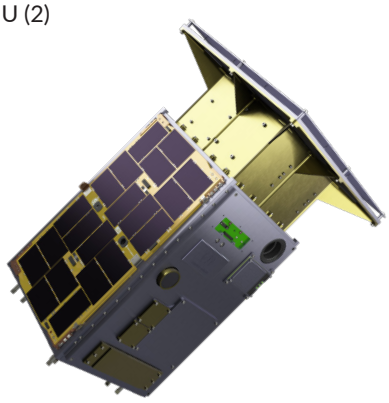


BASELINE MODULES INCLUDED

- Flight Computers (2)
- Watchdog
- Backplane
- 12V Battery Modules (3)
- 12V MPPT (2)
- 12V Load Controller (2)
- Coarse Sensors (2)
- Star Trackers (2)
- Magnetorquers (3-if needed)
- Reaction Wheels (4)
- IMU (2)



SPECIFICATIONS*

Configuration	16U
Applications	GEO, MEO, Cislunar
Native Orbits	> 30,000km
Launch Mass (Wet)**	up to 30kg
Available Payload Mass	8kg
Max Solar Array Power	100W
Redundancy	Dual-string
Power System	12V Unreg, 3.3V, 5V rails available
Communication Data Rate	Deep Space X-Band U/L D/L
Propulsion	200s I_{sp} standard
Pointing Accuracy	30 to 75 arcseconds higher accuracy available

*** For additional spacecraft specifications or to configure a platform for your requirements, please contact a sales professional.**

**** maximum mass may not be supported on all launch vehicles or with all deployers.**

MADE IN U. S. A.

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