

NEWSPACE MARKET · COMPANY PROFILE



Terran Orbital

United States · founded 2013 · terranoorbital.com

7

PRODUCTS

6

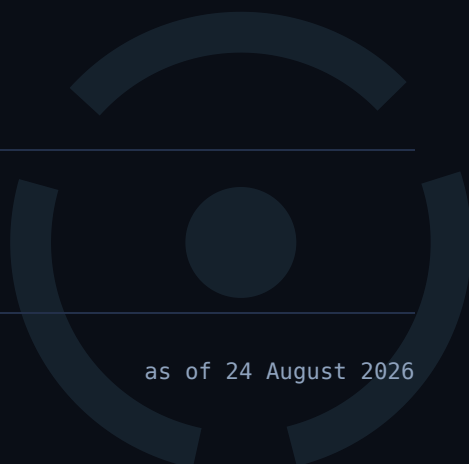
SERVICES

7

WITH DATASHEETS

newspacemarket.com/companies/terrano-orbital/

as of 24 August 2026



Terran Orbital

Terran Orbital designs and manufactures satellite solutions, including flight-proven spacecraft and standard spacecraft platforms. These platforms feature interchangeable components and modules, allowing for customization to various sizes and mission requirements. The company supports missions for defense, Earth observation, and deep space exploration. Its customers include government and commercial partners globally. Terran Orbital has built and delivered a significant number of spacecraft. The company's heritage is rooted in over a decade of engineering and operational success.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Advanced Mission Capabilities Terran Orbital delivers advanced mission capabilities to government and commercial partners.	Launch Planning Terran Orbital offers launch planning services as part of its end-to-end satellite solutions.
Mission Operations Terran Orbital provides mission operations services to support satellites once they are in orbit.	On-Orbit Support Terran Orbital offers on-orbit support for satellites, ensuring their continued performance and addressing any operational needs.
Satellite Design Terran Orbital offers satellite design services to meet specific customer requirements for military, civil, and commercial applications.	Satellite Production Terran Orbital manufactures satellite solutions, delivering flight-proven spacecraft for government and commercial partners.

Product catalogue



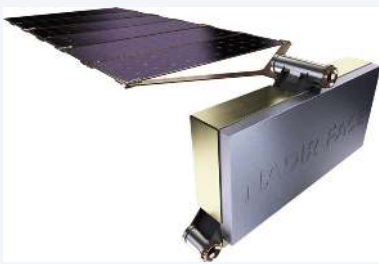
TERRAN ORBITAL

Ambassador

Premier ESPA-Grande rideshare microsatellite platform with up to 200kg payload and optional Type 1 encryption for DoD/Intel missions.

Configuration	ESPA Grande
Applications	LEO
Native orbits	400 km - 1200 km
Launch mass (Wet, max)	Up to 500 kg
Available payload mass	Up to 200 kg
Max solar array power	1.5 kW (3rd-party solar array included)
Redundancy	Dual-string

[price on request](#) [datasheet](#)



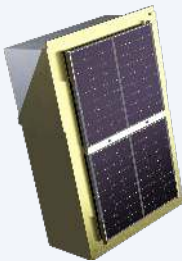
TERRAN ORBITAL

Enterprise

Largest platform in the Terran Orbital line, a flat-packing bus with Optical Inter-Satellite Link support for up to 24 satellites per launch.

Configuration a - applications	LEO
Configuration a - native orbits	400-1200km
Configuration a - launch mass (Wet)	500 kg
Configuration a - available payload mass	Up to 200 kg
Configuration a - available payload power	Up to 2 kW
Configuration a - payload deck area	100 cm x 200 cm
Configuration b - applications	LEO

[price on request](#) [datasheet](#)



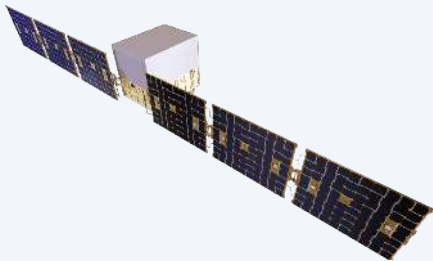
TERRAN ORBITAL

Excelsior

Entry-level ESPA-class microsatellite bus enabling two spacecraft per single 15-inch ESPA port for efficient constellation build-out.

Configuration	Half-ESPA
Applications	LEO
Native orbits	400 km - 1200 km
Launch mass (Wet, max)	Up to 125 kg
Available payload mass	50 kg
Max solar array power	500 W (3rd-party solar array included)
Redundancy	Single-string

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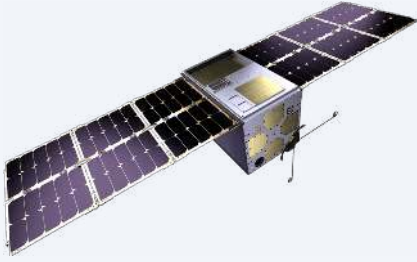
TERRAN ORBITAL

Nebula

Constellation-grade ESPA/ESPA-Grande microsatellite bus with optional Type 1 encryption, successor to the Zuma bus used on SDA Tranche 0.

Configuration	ESPA or ESPA Grande
Applications	LEO
Native orbits	400 km - 1200 km
Launch mass (Wet, max)	Up to 250 kg
Available payload mass	Up to 130 kg
Max solar array power	1 kW (3rd-party solar array included)
Redundancy	Dual-string

[price on request](#) [datasheet](#)



TERRAN ORBITAL

Renegade

12U-class nanosatellite bus with the best bus-to-payload mass ratio in the Terran Orbital line, extendable to 16U.

Configuration	12U (16U option)
Applications	LEO
Native orbits	400 km - 1200 km
Launch mass (Wet, max)	Up to 25 kg
Available payload mass	10 kg
Max solar array power	100 W (3rd-party solar array included)
Redundancy	Single-string

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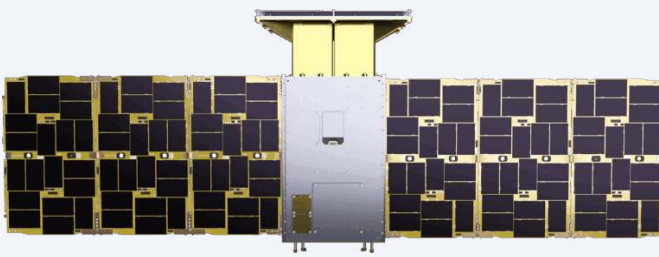
TERRAN ORBITAL

Triumph

Smallest and most agile nanosatellite bus in the Terran Orbital (ex-Tyvak) product line, standard point of departure for technology demonstrator missions.

Configuration	6U
Applications	LEO
Native orbits	400 km - 1200 km
Launch mass (Wet, max)	Up to 14 kg
Available payload mass	5 kg
Max solar array power	100 W (3rd-party solar array included)
Redundancy	Single-string

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TERRAN ORBITAL

Voyager

Voyager is a satellite platform based on the Trestles platform, featuring redundant components for extended lifetime in harsh environments and a standard hydrazine propulsion system.

Configuration	16U
Applications	GEO, MEO, Cislunar
Native orbits	> 30,000 km
Launch mass (wet)*	Up to 30 kg
Available payload mass	8 kg
Max solar array power 3rd-party solar array included	100 W
Redundancy	Dual-string

[price on request](#) [datasheet](#)

Contact Terran Orbital

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

<https://newspacemarket.com/companies/terrano-orbital/>

<https://terranoorbital.com/>

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