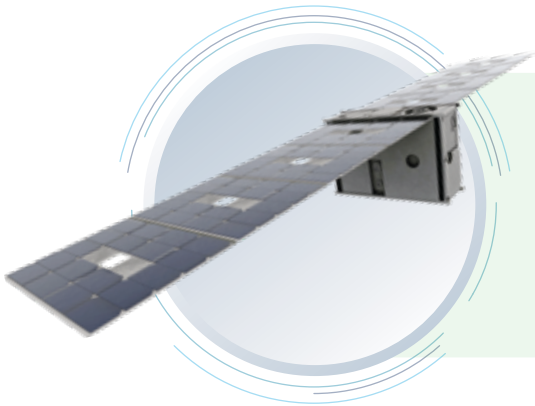


Satellite Bus Platforms

LM 50, LM 400, and LM 2100

Diverse solutions for any space mission

Lockheed Martin offers a family of scalable satellite bus platforms to suit your mission needs— designed, built and tested with the expertise you've come to expect. With mission success at the heart of our designs, our state of the art facilities in Littleton, Colorado and Sunnyvale, California are capable of satellite production and payload integration.



LM 50

Agile and Versatile

The LM 50 is a small-sized bus with various configurations ranging from in-space servicing small satellites to LEO constellations and even deep space operations.

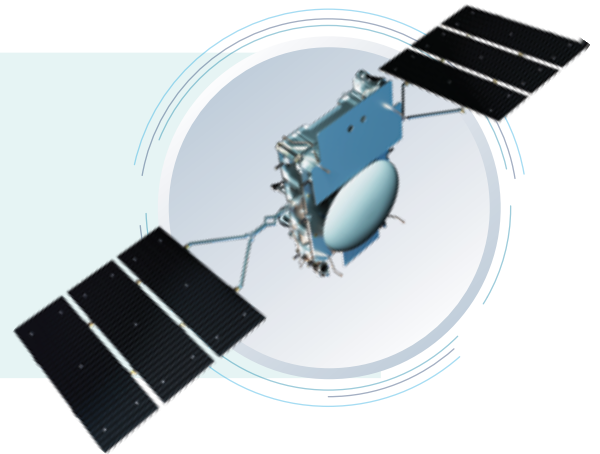
Flight proven since 2021

LM 400

Capable, Extensible, and Affordable

The mid-sized LM 400 is our most flexible satellite bus with capabilities, designed to be a multi-mission satellite that can be tailored for almost any mission, including remote sensing, communications, imaging and radar.

First flight in 2025

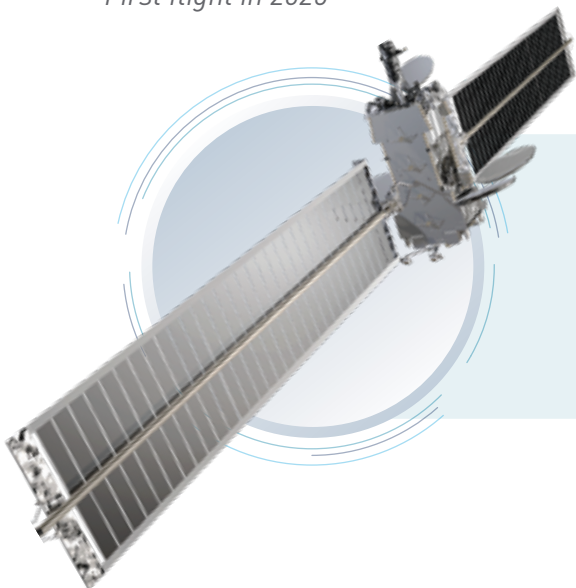


LM 2100

Proven and Powerful

The LM 2100 is the largest satellite platform with proven performance for reliability, capability and survivability in the highest value missions.

Flight proven since 2019



	 LM 50 Curio™ LM 50 LM LINUSS™ LM 50 Fleet			 LM 400-H LM 400-X LM 400-F			 LM 2100
Mission Capability	Science	Various	Comm & ISR	Earth/Astro Sciences, Comm & PNT	ISR (EO)	ISR (non-EO), Comm & PNT	Comm, PNT, ISR & Science
Target Design Life	1-5 years	3 years (GEO)	5 years	Varies up to 0.9 @ 5 years	Varies up to 0.9 @ 5 years	Varies up to 0.9 @ 5 years	15 years
Orbit(s)	Deep Space, Cislunar, Lunar, Earth Orbits	GEO, LEO	LEO	GEO, MEO, LEO	GEO, MEO, LEO	GEO, MEO, LEO	MEO, GEO
Structure	ESPA-Class	Cubesat-Class	ESPA-Class	H-Frame	Hexagonal	Flat	Scalable Structure
Payload Mounting Type	Integrated	Integrated	Bolt-On / Palletized	Bolt-On / Palletized, Integrated	Bolt-On / Palletized, Integrated	Bolt-On / Palletized, Integrated	Bolt-On / Palletized, Integrated
Payload Mass	≤ 100 kg	≤ 12 kg	≤ 250 kg	≤ 1,100 kg	≤ 800 kg	≤ 1,100 kg	≤ 2,000 kg
Payload Average Power	Mission Dependent	10 W	200 to 900 W	≤ 7,500 W	≤ 3,000 W	≤ 7,500 W	3,500 to 16000 W
Payload Peak Power	10 to 500 W	50 W	500 to 1500 W	≤ 10,000 W	≤ 10,000 W	≤ 16,000 W	≤ 16,000 W
Bus Voltage	28V	12V	28V, 66V to Payload Option	28V	28V	28V, 28V/100V	70V/28V
Redundancy	Single String	Partially Redundant	Partially Redundant	Single String, Partially Redundant, Fully Redundant	Single String, Partially Redundant, Fully Redundant	Single String, Partially Redundant, Fully Redundant	Fully Redundant
Pointing	Low to High Precision	High Precision	Low Precision	Low to High Precision	Low to High Precision	Low to High Precision	Low to High Precision
Agility	Various	High Agility	Low Agility	Various	Various	Various	Low Agility
Delta V	≤ 1,000 m/s	≤ 200 m/s	150 to 520 m/s	60 to 500 m/s	60 to 500 m/s	60 to 120 m/s	2,200 m/s
Bus Dry/Wet Mass	45-100 kg / 50-220 kg	20-60 kg (wet)	380-540 kg (wet)	1100kg / 1220kg	1000kg / 1120kg	1650kg / 1740kg	4,000 kg / 7,500 kg