

NEWSPACE MARKET · COMPANY PROFILE

Alba Orbital

Scottish CubeSats

Alba Orbital

United Kingdom · founded 2012 · albaorbital.com

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WITH DATASHEETS

newspacemarket.com/companies/alba-orbital/

as of 20 August 2026



Alba Orbital

Alba Orbital designs and manufactures PocketQube satellites, including the Unicorn-2 platform, which is described as a picosatellite. The company also provides Albapod launch services for PocketQube spacecraft and offers ground station services through its Albaconnect platform. Alba Orbital operates a fleet of nighttime imaging satellites. Its customers include newspace users, operators, government, and commercial clients, with over 30 customers across four continents. Founded in 2012, Alba Orbital is headquartered in Glasgow, Scotland, and also operates entities in the US and Germany. The company has successfully launched 57 PocketQube satellites into orbit across 10 missions, including the Unicorn-2 platform. It raised \$3.4 million via a Seed round, with Y Combinator as an investor in 2021.

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

3 Axis Vibration Testing

Alba Orbital provides 3-axis vibration testing using a 30 kN shaker table, supporting various testing requirements like sine, random, resonance searches, and shock.

Environmental Test Services

Alba Orbital offers environmental testing services including 3-axis vibration testing and thermal vacuum chamber testing at their Glasgow, UK facility.

Thermal Vacuum Chamber Testing

Alba Orbital provides thermal vacuum chamber testing for high temperature, low pressure bakeouts, adhering to industry standards.

Product catalogue



ALBA ORBITAL

1P Skeleton Wall PocketQube Structure

A skeletonized aluminum structure designed for 1P PocketQube pico-satellites, featuring access points for internal electronics and compatibility with PQ60 v1.0 board stacks.

Size	1P (Unit) - 50mm x 50mm external dimensions. 47mm x 47mm internal dimensions (widest point)
Flight Heritage	Earlier version has Flight Heritage

price on request [datasheet](#)



ALBA ORBITAL

1p/2p/3p Horizontal Integration Support Jig

A horizontal integration jig that supports the assembly of 1p, 2p, or 3p PocketQube stacks into the primary structure, with a raised design suitable for testing deployables like an

Length	272 mm
Width	125 mm
Height (without Spacecraft)	40
Clearance below Spacecraft	10 mm
Material	Acetal

price on request



ALBA ORBITAL

2P Skeleton Wall PocketQube Structure

A skeletonized wall structure designed for the PocketQube Standard (Pico-satellite class), made from aerospace-grade aluminum.

Size	2P (Unit)
External dimensions	114mm x 50mm x 50mm
Internal dimensions (widest point)	114mm x 47mm x 47mm
Manufacturer	Alba Orbital
Flight Heritage	Earlier version has Flight Heritage

price on request [datasheet](#)



ALBA ORBITAL

3P Skeleton Wall PocketQube Structure

The 3P Skeleton Wall PocketQube Structure is an aerospace-grade aluminum structure designed for the PocketQube Standard (Pico-satellite class), featuring double redundancy kill swi

Size	3P (Unit)
External dimensions	178mm x 50mm x 50mm
Internal dimensions (widest point)	178mm x 47mm x 47mm
Manufacturer	Alba Orbital
Delivery time	8 weeks depending on available stock levels (much sooner if in stock)
Flight Heritage	Earlier version has Flight Heritage

price on request [datasheet](#)



ALBA ORBITAL

AlbaPod Deployer

AlbaPod is a PocketQube satellite deployer developed by Alba Orbital. Designed to attach to ESPA rings or as a hosted payload, AlbaPod enables the deployment of multiple PocketQube

price on request



ALBA ORBITAL

Bundle (1p,1.5p,2p,2.5p) Skeleton Wall PocketQube Structures

A bundle of four Skeleton Wall PocketQube satellite structures (1p, 1.5p, 2p, 2.5p sizes), one of each, designed for the PocketQube femto-satellite standard.

Size	1p,1.5p,2p,2.5p (Unit)
Price	£9,999.00
Delivery time	4 weeks depending on available stock levels (much sooner if in stock)
Datasheet/Brochure	Coming Soon

£9 999

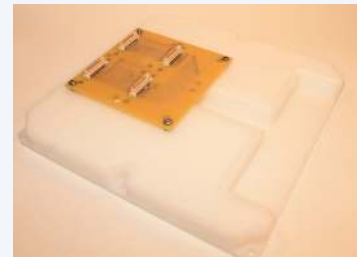


ALBA ORBITAL

Custom PocketQube Structural Panel

A custom structural panel for PocketQubes, designed to accommodate unique payloads requiring non-standard access points to the end wall of the structure.

price on request



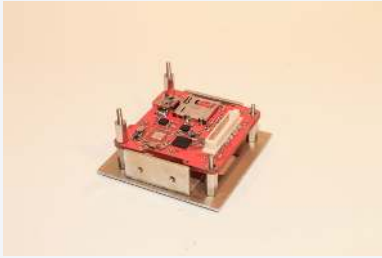
ALBA ORBITAL

Labsat – Test and Development Setup

The Labsat is a test and development setup designed for PocketQube boards, allowing users to safely test and characterize single boards or full stacks without direct interaction.

price on request

[datasheet](#)



ALBA ORBITAL

On Board Computer

The Alba Orbital On Board Computer (OBC) is an entry-level control hub for satellites, featuring a TI MSP430 microcontroller for low power consumption and flexibility.

Manufacturer	Alba Orbital
Expected Shipping Time	12-16 Weeks
Meets	PQ60 v1.0 Specifications
Dimensions	42mm x 42mm
Weight	8.5 grams (without memory card)

price on request

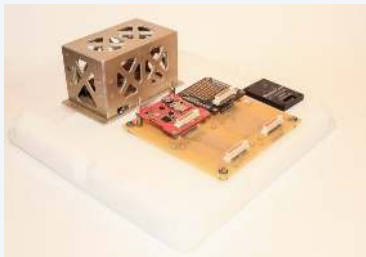
ALBA ORBITAL

PocketQube Deployer

Alba Orbital's dedicated launch and deployment service for PocketQube satellites (3.5 cm cube form factor) to LEO.

Satellite Standard	PocketQube (5 cm x 5 cm x 5 cm)
Orbit	LEO (SSO via SpaceX Transporter and other rideshare)
Services	Deployment, licensing, spectrum coordination
Company Location	Glasgow, Scotland, UK

price on request



ALBA ORBITAL

PocketQube Kit v1.0 EM

The PocketQube Kit v1.0 EM is a low-cost satellite development kit designed to widen access to space for smaller budget organizations, ideal for STEM educators and governmental cus

MiniSatCom Radio variants	420-450MHz or 902-928MHz
OBC Microcontroller	TI MSP430
OBC Supply voltage	3.3V
OBC Protocols	SPI and I2C
Expected Shipping Time	12-16 Weeks

price on request

[datasheet](#)

ALBA ORBITAL

PocketQube Kit v1.0 EM

The PocketQube Kit v1.0 EM is a comprehensive kit designed for educational and development purposes, allowing users to build and test their own PocketQube satellite.

£10 299



ALBA ORBITAL

Solar Panels 1p Set (QTY 5)

A set of five solar panels designed for PocketQubes, featuring high-efficiency Spectrolab TASC cells and custom mounting holes.

Set of	5
Available for	1p/2p/3p PocketQubes
Cells	Spectrolab high efficiency TASC
PCB	Low thickness polyimide substrate
Solar module fabricated under	ECSS-Q-ST-70-08 and ECSS-E- ST-20-08 requirements
Chemical and components manufactured under	ECSS-Q-ST-70-02
PCB qualified under	ECSS-Q-ST-70-10 requirements

price on request

[datasheet](#)

Contact Alba 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.

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