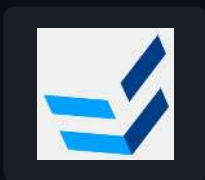


NEWSPACE MARKET · COMPANY PROFILE



EnduroSat

Bulgaria · founded 2015 · endurosat.com

32

PRODUCTS

newspacemarket.com/companies/endurosat/

as of 20 August 2026



EnduroSat

EnduroSat is a Bulgarian space technology company founded in 2015 in Sofia, offering shared satellite missions, satellite platforms, and space-as-a-service (SaaS) for commercial and institutional customers. The company is one of Europe's fastest-growing small satellite companies and a pioneer in the shared satellite model. EnduroSat's core offering is its CubeSat platform lineup — from 1U to 16U form factors — built with commercial-off-the-shelf (COTS) and space-qualified components. Their platforms have flown on missions for research institutions, startups, and national space programs. Subsystems include OBCs (on-board computers), UHF/S-Band radios, ADCS, EPS, and propulsion modules. The company's shared satellite service allows customers to fly payload modules aboard EnduroSat-operated satellites, reducing the cost and complexity of reaching orbit for technology demonstrators, Earth observation experiments, and communications payloads. EnduroSat operates a growing in-house constellation providing data services and payload hosting. EnduroSat has delivered satellites for customers in over 20 countries and has partnered with ESA, NASA, and commercial operators. The company's rapid iteration approach, low costs, and flexible deployment model have established it as a preferred platform for early-stage space companies.

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.

Product catalogue



ENDUROSAT
12U Structure

The 12U Structure is a CubeSat frame designed to house and protect satellite components, providing a standardized form factor for space missions.

Dimensions226.3 x 226.3 x 454 mm

price on request



ENDUROSAT
16U Platform

The EnduroSat 16U Platform is a high-performance satellite bus designed for demanding missions, offering a large payload volume and power for various applications.

AVAILABLE PAYLOAD MASS70 kg

price on request

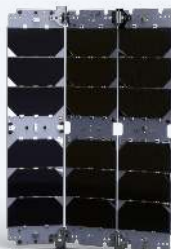


ENDUROSAT
16U Structure

The 16U Structure is a CubeSat frame designed to house and protect satellite components, providing a standardized form factor for space missions.

Dimensions226.3 x 226.3 x 366 mm

price on request



ENDUROSAT
3U Deployable Solar Array

Deployable solar panels for CubeSats, offering high power output and radiation resistance with 29+% efficiency at End-of-Life.

Power Efficiency at BOL	30+%
Power Efficiency at EOL	29+%
Number of Cells	14 (Single Deployable) or 21 (Double Deployable)
Max Power in LEO	16.8 W (Single Deployable) or 25.2 W (Double Deployable)
Reverse Bias Protection	Internal bypass diode
Solar Cell Assembly (SCA) thickness	280-300 μm
Integrated Sensors	Photodiodes (up to 3)

price on request



ENDUROSAT

3U Solar Panel

Body-mounted 3U solar panel with space-grade triple junction cells delivering over 30% efficiency. Generates up to 8.4 W in LEO while maintaining performance throughout the satellite

Power Efficiency (BOL)	30+
Solar Cells	7
Max Power in LEO	8.4
Max Voltage	17.5
Max Current	512
Mass	147

price on request



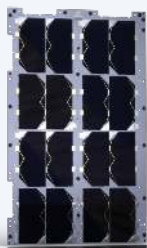
ENDUROSAT

6U Deployable Solar Array

A deployable solar panel array for 6U CubeSats that unfolds after launch to increase illuminated solar cell area and boost power generation beyond what body-mounted panels can prov

Power Efficiency @ EOL	29+%
------------------------	------

price on request



ENDUROSAT

6U Solar Panel

The 6U CubeSat Solar Panel provides high power output and radiation resistance with over 29% efficiency at End-of-Life (EOL) for CubeSats.

Power Efficiency at BOL	30+%
Power Efficiency at EOL	29+%
Number of Cells	16
Max Power in LEO	19.2 W
Reverse Bias Protection	Internal bypass diode
Solar Cell Assembly (SCA) thickness	280-300 μ m
Integrated Sensors	Photodiodes (up to 3)

price on request



ENDUROSAT

8U CubeSat Structure

A flight-proven 8U satellite structure, offering a flexible and precise frame for CubeSats with a lightweight design and hard-anodized surface.

Mass	973 g
Dimensions	100 x 226.3 x 454 mm
Material	Aluminum 6082
Compliance	PC104 full compliance, CubeSat Standard

price on request



ENDUROSAT

8U Deployable Solar Array

Deployable solar panels for CubeSats, offering high power output and radiation resistance with over 29% efficiency at End-of-Life.

Power Efficiency at BOL	30+%
Power Efficiency at EOL	29+%
Number of Cells	40
Max Power in LEO	48 W
Reverse Bias Protection	Internal bypass diode
Solar Cell Assembly (SCA)	280-300 μ m
Thickness	
Mass	930 - 1035 g

price on request



ENDUROSAT

8U Platform

The 8U Platform is a high-performance CubeSat bus designed for demanding space missions, offering a robust and flexible solution for various payloads.

Bus Mass	11.2-11.7 kg
----------	--------------

price on request



ENDUROSAT

8U SOLAR PANEL

The EnduroSat 8U Solar Panel provides high power output and radiation resistance for CubeSats, featuring efficient solar cells and configurability.

Power Efficiency at BOL	30+%
Power Efficiency at EOL	29+%
Number of Cells	20
Max Power in LEO	24 W
Reverse Bias Protection	Internal bypass diode
Solar Cell Assembly (SCA)	280-300 μ m
Thickness	
Integrated Sensors	Photodiodes (up to 4)

price on request



ENDUROSAT

Assembly JIG

The Assembly JIG is a simple and versatile mechanical support equipment designed to make satellite assembly easy for 1U to 3U CubeSats.

Dimensions	351.5x150x40 mm
Material	Aluminum 6061 and Polyacetal POM (black)
Springs	3 configurations offering an assembly base for 1U to 3U CubeSats
Mass	3500 g

price on request



ENDUROSAT CUBESAT DESKSAT

The CubeSat DeskSat is a configurable flatsat designed for CubeSat payload integration and development, offering advanced avionics and data processing capabilities.

Dimensions	449x386x135 mm
Material	Aluminum, Stainless Steel
Power	Integrated power supply and external 100W Power Brick
Power Input/Output	3.3V, 5V, 12V
Mass	11.3 kg

price on request



ENDUROSAT CubeSat EPS

EnduroSat's Electrical Power System (EPS) for CubeSats, supporting a battery pack module with 1100 Wh capacity per package.

Battery Pack Capacity	1100 Wh per package
-----------------------	---------------------

price on request



ENDUROSAT CUBESAT TEST POD

A secure test pod designed for environmental testing of CubeSats ranging from 6U to 16U, facilitating easy and reliable testing procedures.

Dimensions	144.3 x 269 x 431.7 mm
Material	Aluminum 6082
Springs	optional separation springs
Mass	9.5 kg

price on request



ENDUROSAT FRAME L

The FRAME L is an ESPA-Class microsatellite platform designed for advanced payloads, offering high power, data rates, and a large available payload mass.

Available payload mass	up to 300 kg
Max continuous power	7 kW
Gross data rate	4 Gbps
Delta-V propulsion	up to 1 km/sec
Spacecraft bus mass	200-250 kg (configuration dependent)
Chassis size	24-inch ESPA class
Available payload volume envelope	at least 1 x 1 x 1 m (SpaceX full plate XL)

price on request



ENDUROSAT

FRAME Max

FRAME Max is a satellite bus designed for orbital computing and D2D broadband, offering advanced avionics and data processing capabilities.

Available Payload Mass	0.5-3T
Max Continuous Power	10 kW
Gross Datarate	4 GBPS
Delta-V Propulsion	500 m/sec
Bus mass	500 kg (base configuration)
Available payload mass	500-3000 kg (configuration dependent)
Peak input power	9+ kW

price on request



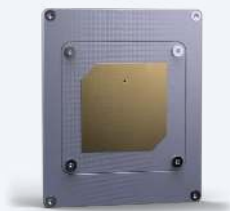
ENDUROSAT

FRAME S

The FRAME S is an ESPA-Class Satellite Platform built for advanced payloads, offering universal avionics assembly, cableless design, and plug-and-play integration for rapid develop

Bus mass	85-100 kg (configuration dependent)
Chassis size	15-inch ESPA class
Available payload mass	up to 70 kg
Available payload volume envelope	up to 500 x 1100 x 850 mm (SpaceX half-plate XL)
Peak input power	600 W
Average payload power available (LTAN-dependent)	95-342 W
Payload gross data rate	up to 2 Gbps

price on request



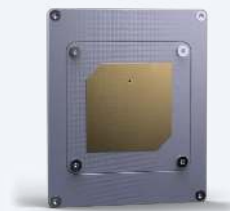
ENDUROSAT

GNSS Patch Antenna L1/E1

A space-qualified GNSS patch antenna designed for secure navigation in space for CubeSats, NanoSats, and SmallSats.

Operating Frequency	L1/E1 band
Half Power Beam Width (HPBW)	93 deg
Patch Gain	> 3.5 dBi
Polarization	Right Hand Circular
Mass	17 g (passive)

price on request



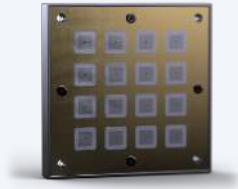
ENDUROSAT

GNSS Patch Antenna L1+L2+L5

A space-qualified GNSS patch antenna for secure navigation in space for CubeSats, NanoSats, and SmallSats.

Operating Frequency	L1+L2+L5
Half Power Beam Width (HPBW)	100-105 deg
Patch Gain	2.4-4.1 dBi
Polarization	Right Hand Circular
Mass	38.5 g
RF Connector	SMP

price on request



ENDUROSAT

K-BAND 4x4 PATCH ARRAY

The K-Band 4x4 Patch Array offers ultra high-speed K-Band communication capabilities for CubeSats and SmallSats, featuring industry-leading gain and a compact footprint.

Frequency Range	17.7 - 20.2 GHz
Half Power Beam Width (HPBW)	16 deg
Gain	18+ dBi over operational bandwidth
Polarization	Right Hand Circular
Mass	76 g
RF Power Handling	up to 4 W

price on request



ENDUROSAT

Onboard Computer (OBC)

Flight computer for SmallSats and CubeSats with 2x higher radiation resilience and ADCS-ready sensors. Low power consumption with FreeRTOS development environment and an optional i

Processor	ARM Cortex M7
Program Memory	2
Mass Storage	2x 16
Voltage Supply	12
Mass	123
Mass (with GNSS)	173

price on request



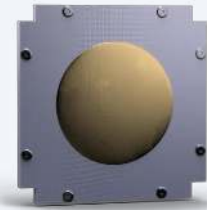
ENDUROSAT

ROTARY JIG

The Rotary JIG is a simple and versatile mechanical support equipment designed to make satellite assembly easy for CubeSats ranging from 3U to 16U.

Diameter	400 mm
Material	EN AW-6082-DIN 3.2315 and POM-ELS
Springs	3 configurations offering an assembly base for 3U to 16U CubeSats
Mass	8.5 kg

price on request



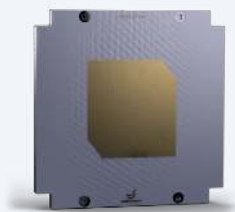
ENDUROSAT

S-Band Antenna Commercial

A flight-proven S-band patch antenna designed for high-speed communication in CubeSats and SmallSats, offering 20% higher gain than previous generations.

Frequency Range	2025 - 2110 MHz
Half Power Beam Width (HPBW)	70 deg
Gain	7+ dBi over operational bandwidth
Polarization	Selectable Circular
Mass	77.4 g
Configurable Mounting	X/Y or Z CubeSat mounting
RF Power Handling	up to 4 W

price on request



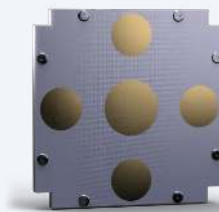
ENDUROSAT

S-Band Antenna ISM

A flight-proven S-band patch antenna designed for high-speed CubeSat communication, offering 30% higher gain than previous generations and circular polarization.

Frequency Range	2400 - 2450 MHz
Half Power Beam Width (HPBW)	71 deg
Gain	> 7.5 dBi
Polarization	Circular with selectable rotation direction
Mass	71 g
Configurable Mounting	X/Y or Z CubeSat mounting
RF Power Handling	up to 4 W

price on request



ENDUROSAT

S-BAND ANTENNA WIDEBAND

High-speed communication for CubeSats and SmallSats with a wide frequency range in S-band.

Frequency Range	2025-2110 MHz and 2200-2290 MHz
Half Power Beam Width (HPBW)	70 deg
Gain	5+ dBi
Polarization	Right-hand circular
Mass	96-115 g (configuration dependent)
RF Power Handling	up to 4 W

price on request



ENDUROSAT

S-band Transceiver

The S-band Transceiver is a communication module designed for satellite applications, operating within the 8000 - 8400 MHz frequency range.

Frequency Range	8000 - 8400 MHz
-----------------	-----------------

price on request



ENDUROSAT

SmallSat EPS

High-efficiency, modular Electrical Power System for advanced small satellite missions. Combines large battery packs with multi-bus power distribution to deliver hundreds of amps o

Battery Pack Capacity	1100
System Bus (vBatt)	30-50
Regulated Power Buses	12, 28
Max Continuous Current (28V)	125
Input Voltage	up to 70
Mass (base)	19.5

price on request



ENDUROSAT

UHF ANTENNA 2U

A flight-proven deployable 2U UHF Antenna, fully compliant with the 6U CubeSat standard, providing reliable communication for CubeSats and SmallSats.

Amateur UHF Frequency Range	435-438 MHz
Commercial UHF Frequency Range	400-403 MHz
VHF Frequency Range	144-148 MHz
Type	Omnidirectional
Gain	> 0 dBi
Polarization	Linear
RF Power Handling	2W

price on request



ENDUROSAT

UHF Transceiver

Half-duplex UHF data transceiver for CubeSat and SmallSat missions. Features configurable RF settings, AES-256 encryption, and in-orbit reconfigurable parameters for varying operat

Frequency Range	400-403 or 435-438
Maximum Data Rate	19.6
Typical Tx Power	8
Voltage Supply	5
Output Power	27 or 33
Mass	200

price on request



ENDUROSAT

X-Band Patch Antenna

A space-qualified X-band patch antenna offering high-speed connectivity for CubeSats and SmallSats, with industry-leading gain at a 25% smaller footprint.

Frequency Range	8025 - 8400 MHz
RF Connector	SMP (SMA for 8x12 Array)
Mounting	X/Y or Z
Polarization	Circular with selectable rotation direction
RF Power Handling	up to 4 W
Gain (Single Patch)	6 dBi
HPBW (Single Patch)	74°

price on request



ENDUROSAT

X-band SDR

An X-band software-defined radio (SDR) product from EnduroSat for satellite communications downlink.

Frequency Range (Tx)	2200 to 2290 MHz (commercial)
----------------------	-------------------------------

price on request

Contact EnduroSat

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/endurosat/>

<https://www.endurosat.com>