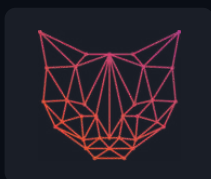


NEWSPACE MARKET · COMPANY PROFILE



Space Inventor ApS

Denmark · founded 2015 · space-inventor.com

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PRODUCTS

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SERVICES

newspacemarket.com/companies/space-inventor-aps/

as of 20 August 2026



Space Inventor ApS

Space Inventor ApS was founded in 2015 in Aalborg, Denmark by a team of experienced satellite engineers aiming to accelerate the development cycle and lower the cost of small satellite missions. The company operates with full vertical integration, designing and manufacturing their own avionics, attitude control systems, and satellite platforms without relying on ITAR-controlled components, making their products accessible to an international customer base. The company product portfolio spans modular power platforms, guidance navigation and control (GNC) suites with integrated star trackers, reaction wheels, on-board data handling systems, satellite antenna systems, and complete satellite platforms from 6U CubeSats up to 16U and BIG CAT class microsatellites. Their satellite buses have been selected for missions by governmental clients including the Austrian Ministry of Defense, which commissioned the BEACONSAT satellite to detect GNSS jamming and spoofing. Space Inventor maintains offices in Aalborg (headquarters), Copenhagen, and Leuven (Belgium), and has established itself as a reliable supplier for both commercial and dual-use satellite applications. The company targets high reliability and long operational lifetimes as key differentiators, positioning their platforms for demanding missions requiring proven industrial-grade quality.

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

Data Processing

Space Inventor handles the complexities of data processing, ensuring customers can focus on the value of their data.

Ground Segment Management

Space Inventor manages the complexities of the Ground Segment for customers, ensuring assets are monitored, optimized, and secure.

Launch and Early Orbit Phase (LEOP) Management

Space Inventor provides expert management during the critical Launch and Early Orbit Phase of a satellite mission.

Mission Operations

Space Inventor offers expert support for satellite mission operations, including LEOP, commissioning, and routine operations.

Satellite Commissioning

Space Inventor performs rigorous testing during commissioning to ensure satellite systems are fully operational.

Product catalogue



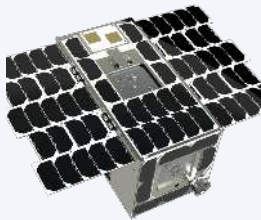
SPACE INVENTOR APS

12U Satellite

Modular 12U CubeSat with electric propulsion and reaction wheels for high manoeuvrability and precise attitude control.

Reaction wheels	Four 100 mNms reaction wheels
Star trackers (optional)	Dual star trackers, 10-20 arcsec pointing accuracy
Sun sensors	Six fine sun sensors
Payload volume	6-8 U
Payload mass capacity	6-9 kg
X-band downlink	100 Mbps
Data storage	Up to 64 GB

\$750 000



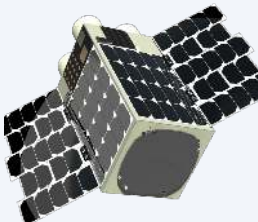
SPACE INVENTOR APS

16U GEO for BIU

The 16U GEO for BIU is a high-tech satellite designed for direct injection into geostationary orbit to provide bring-into-use services using Ka, Ku, and other bands.

MSRP From €3.000.000

price on request



SPACE INVENTOR APS

16U Hyperspectral 200mm

A 16U CubeSat satellite from Space Inventor fitted with a hyperspectral 200mm telescope for advanced Earth observation and astronomical imaging missions.

MSRP	From €1.100.000
Configuration	16U CubeSat
Telescope	Hyperspectral 200mm

price on request



SPACE INVENTOR APS

16U Satellite

High-performing 16U CubeSat platform with GEO options and flight heritage in both GEO and LEO.

Momentum capacity	100 mNms
Torque capability	20 mNm
Payload accommodation	Up to 12U depending on orbit requirements

MSRP (platform only) From €800,000 (excl. NRE, propulsion and payload)

\$800 000



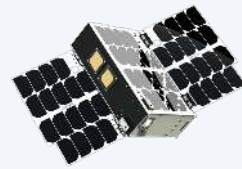
SPACE INVENTOR APS

6U AIS/VDES Satellite Platform

A 6U satellite platform from Space Inventor, equipped with a 3-element crossed deployable yagi antenna, designed for enhancing maritime communication and navigation through AIS/VDE

MSRP	From €870,000
Antenna	3-element crossed deployable yagi antenna
Mission focus	AIS/VDES maritime communication and navigation

price on request



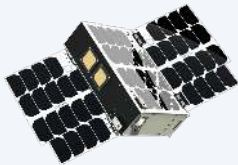
SPACE INVENTOR APS

6U Satellite

Dependable 6U CubeSat platform for secure and tactical communication with a 10-year mission life.

Mission life	10 years
Security	AES-256 encryption, multiple access protections
Payload volume	Up to 4U
Power	Deployable solar panels
MSRP (platform only)	From €650,000 (excl. NRE, propulsion and payload)

\$650 000



SPACE INVENTOR APS

6U Tactical Communications

A high-performing 6U satellite designed for tactical and secure communication between space and Earth, featuring AES-256 encryption and a projected 10-year mission life.

Projected Mission Life	10-year
Encryption	AES-256
Access Protocols	SSH, WebAPI, password protocols
Available Modules	PATCH1-L-R (L-Band Patch 1 antenna), PATCH2X2-S-R (S-Band Patch 2 antenna), PATCH1-S-R (S-Band Patch 1 antenna)
PATCH1-S-R Frequency Range	2025-2110 MHz or 2200-2290 MHz

price on request



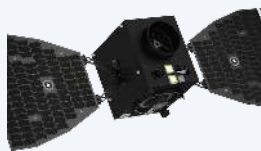
SPACE INVENTOR APS

8U Satellite

High-performance 8U CubeSat with reaction wheels, star tracker and dual redundant buses for demanding missions.

Reaction wheels	100 mNms
Star tracker	Standard, dual optional for enhanced pointing accuracy
Redundancy	Dual communication and battery buses
Communications	High-speed X-band
MSRP (platform only)	From €650,000 (excl. NRE, propulsion and payload)

\$650 000



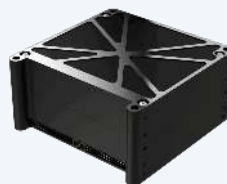
SPACE INVENTOR APS

Astro Observatory Microsatellite

Microsatellite configured as an astro observatory with a 300 mm aperture telescope suitable for a range of cameras.

MSRP	From €2,000,000
Telescope aperture	300 mm
Mission focus	Astro observatory - imaging, spectroscopy, stellar classification

\$2 000 000



SPACE INVENTOR APS

BAT module

The BAT module is a Lithium-Ion battery available in 4-cell (14.4V) and 8-cell (28.8V) versions, designed for extended lifetime and easy integration in CubeSats and microsatellites

Nominal Voltage (4-cell variant)	14.4 V
Nominal Voltage (8-cell variant)	28.8 V
Technology	Lithium-Ion
Capacity (single module)	100 Wh

price on request



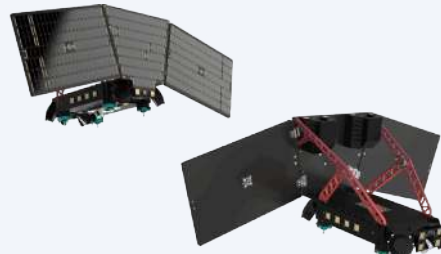
SPACE INVENTOR APS

BIG CAT 100

ESPA-class microsatellite platform (up to 100 kg) built from flight-proven, in-house modules for a quarter-plate payload adaptor.

Redundancy	Dual-redundant avionics and A0CS
Power options	Solar power
Platform mass (incl. basic propulsion)	50 kg
Total spacecraft mass (incl. payload + propulsion)	Max 100 kg
Lifetime	7 years
S-band RF uplink	2025-2110 MHz
S-band RF downlink	2200-2290 MHz, up to 10 Mbps

price on request



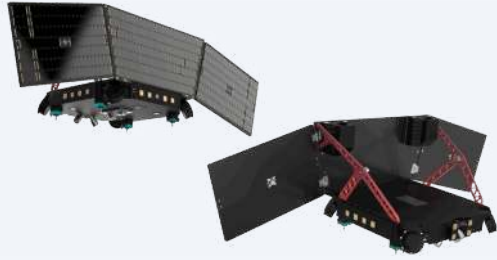
SPACE INVENTOR APS

BIG CAT 300

ESPA-class microsatellite platform (up to 300 kg) with half-plate payload adaptor for high-demand missions.

Redundancy	Dual-redundant avionics and A0CS
Power options	28 V unregulated bus
Platform mass (incl. basic propulsion)	170 kg
Total spacecraft mass (incl. payload + propulsion)	300 kg
Lifetime	7 years
S-band RF uplink	2025-2110 MHz
S-band RF downlink	2200-2290 MHz, up to 10 Mbps

price on request



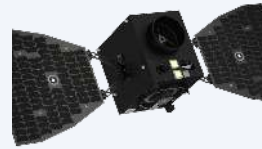
SPACE INVENTOR APS

BIG CAT 600

ESPA Grande-class microsatellite platform (up to 600 kg) with full-plate payload adapter for heavy-duty missions.

Redundancy	Dual-redundant avionics and AOCs
Power options	28 V unregulated bus
Platform mass (incl. basic propulsion)	230 kg
Total spacecraft mass (incl. payload + propulsion)	Max 600 kg
Lifetime	7 years
S-band RF uplink	2025-2110 MHz
S-band RF downlink	2200-2290 MHz, up to 10 Mbps

price on request



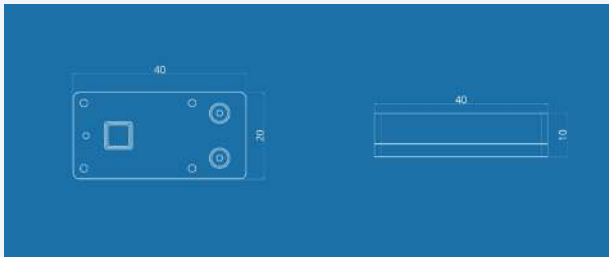
SPACE INVENTOR APS

ESM Satellite Platform

Microsatellite platform configured for Electronic Support Measures (ESM) missions with hi-reliability, shielded subsystems.

MSRP	From €4,500,000
Mission focus	Electronic Support Measures (ESM) - radar signature detection and geolocation

\$4 500 000



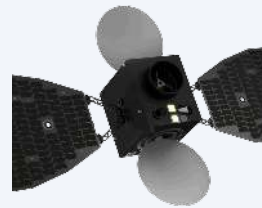
SPACE INVENTOR APS

Fine Sun Sensor

The Fine Sun Sensor is a highly integrated module using four photodiodes to estimate the sun direction vector with high precision, connecting to a CSP network via CAN bus for integ

Precision	<1° (1 σ)
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price on request



SPACE INVENTOR APS

Geostationary BIU Microsatellite

The Geostationary BIU Microsatellite is an ESPA-class platform designed for geostationary communication services, capable of maneuvering from LEO or GTO to GEO using advanced onboa

MSRP	From €4,500,000
Launch orbit	LEO or GTO
Target orbit	Geostationary Orbit

price on request



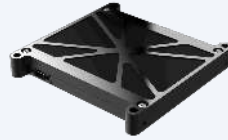
SPACE INVENTOR APS

GNC Platform

Complete, scalable Guidance, Navigation and Control system combining sensors, actuators and control software for CubeSats and MicroSats.

6U CubeSat pointing accuracy	< 2 deg (WHL-P4 + FSS + IMU-P4)
16U CubeSat pointing accuracy	0.1-0.5 deg (STR + WHL-P4 + FSS + IMU-P4)
Microsat 50-200 kg pointing accuracy	50 arcsec (Dual STR + WHL-P4 + FSS + IMU-P4)
Precision missions pointing accuracy	Arcsecond, with in-orbit tuning (Dual STR + WHL-P4 + advanced calibration)
AOCS Computer	OBC-P4, quad-core ARM Cortex-M7 architecture
Actuators	WHL-P4 series reaction wheels, MT series magnetorquer rods, optional propulsion interface
Sensors	ASTRO-CL/SFC star trackers, FSS fine sun sensors, IMU-P4, GNSS-P3 receivers

price on request



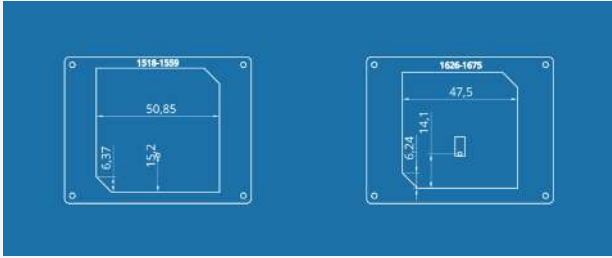
SPACE INVENTOR APS

IMU-P4

The IMU-P4 is a compact and rugged inertial measurement unit featuring redundant 6-DOF gyroscopes and accelerometers, two magnetometers, and temperature sensors, designed for satel

MSRP €6.000

price on request



SPACE INVENTOR APS
L-Band Single Patch Antenna (PATCH1-L-R)

Compact single-port L-band patch antenna for GPS, satellite communication and remote sensing applications.

MSRP	€4,000
Frequency range	1518-1560 MHz or 1626-1675 MHz
Ports	Single port

\$4 000

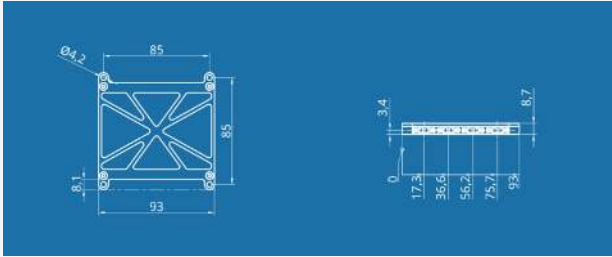


SPACE INVENTOR APS
Modular Power Platform (MPP)

Scalable power architecture built on P4-series equipment, supporting solar array power from a few hundred watts up to 4 kW.

MPP-700-6U solar array power	110 W
MPP-700-6U battery energy storage	204 Wh
MPP-700-6U max combined load power	408 W
MPP-700-16U solar array power	220 W
MPP-700-16U battery energy storage	204 Wh
MPP-700-16U max combined load power	408 W
MPP-700-Micro solar array power	440 W

price on request

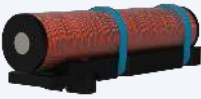


SPACE INVENTOR APS
MPPT

A 4-channel Maximum Power Point Tracker that connects satellite solar panels directly to the spacecraft battery bus, optimizing solar array power conversion for battery charging.

MSRP	€7,000
PV input channels	4
Output	Two output power buses via ideal diode combination
Redundancy	Dual MCUs, CAN interface

price on request

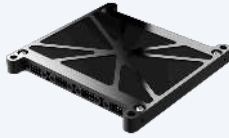


SPACE INVENTOR APS
MT-P4

Integrated magnetorquer rod for momentum dumping of LEO satellites, with built-in control electronics and redundant interfaces.

MSRP	€6.000
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price on request



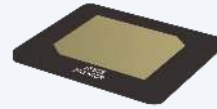
SPACE INVENTOR APS

OBC

Quad-core ARM Cortex-M7 onboard computing platform for redundant mission-critical satellite functions.

MSRP	€9,000
Architecture	Four independent ARM Cortex-M7 modules
Operating system	FreeRTOS
Redundancy	Hot/cold redundancy across four independent modules

\$9 000



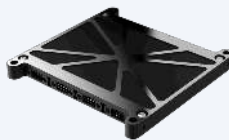
SPACE INVENTOR APS

PATCH1-S-R

A compact single-port S-band patch antenna designed for the 2025-2110 MHz or 2200-2290 MHz frequency range, used for satellite communication and radar applications.

MSRP	€4.000
Frequency range	2025-2110 MHz or 2200-2290 MHz

price on request



SPACE INVENTOR APS

Power Distribution Unit

A Power Distribution Unit (PDU) available in four variants with three different voltage output levels, featuring redundant MCUs, CAN interface, and current sensing on all 8 outputs

MSRP	€7.000
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price on request



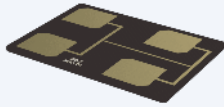
SPACE INVENTOR APS

Reaction Wheel

High-performance reaction wheel for microsatellite attitude control, available in 500 and 1000 Nms configurations.

MSRP	€55,000
Momentum capacity	500 and 1000 Nms variants
Mission lifetime	Up to 5 years
Motor	3-phase outrunner permanent magnet synchronous motor (PMSM)
Bearings	Two hybrid ceramic high-precision bearings
Interface	Redundant CAN bus via CSP
Body material	AL-6061-T6

\$55 000



SPACE INVENTOR APS

S-Band 2x2 Antenna Array (PATCH2X2-S-R)

The PATCH2X2-S-R is a compact S-band 2x2 antenna array featuring four antenna elements on a substrate with a feed network, designed for satellite communication and other applications.

Frequency Range	2025-2110 MHz or 2200-2290 MHz
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price on request



SPACE INVENTOR APS

Satellite Modules

Space Inventor offers a range of flight-proven, industrial-grade satellite modules designed for reliability, scalability, and precision, serving as scalable building blocks for com.

Type	Integrated GNC/ADCS suite
Star tracker	Integrated
Heritage	Flight-proven

price on request



SPACE INVENTOR APS

SDR-P4

Software-defined radio with dual full-duplex S-band or S/X-band channels and 64 GB of persistent storage.

MSRP	€35,000
Storage	64 GB persistent storage
Ranging	Transparent pseudo-noise ranging per CCSDS 414.0-G2
RF front-end options	Two full-duplex S-band channels, or one S-band full-duplex channel + one X-band transmit c
Standard	CCSDS Cat A

\$35 000



SPACE INVENTOR APS

Space Domain Awareness Microsatellite

Microsatellite configured for real-time tracking, detection and characterization of space objects for collision avoidance and SSA.

MSRP	From €2,100,000
Mission focus	Space Domain Awareness (SDA) - real-time tracking, detection and characterization of space

\$2 100 000



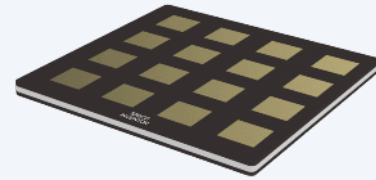
SPACE INVENTOR APS

STR-P3

The STR-P3 is a star tracker unit designed for mini- and microsatellites, utilizing advanced star-tracking algorithms and a compact, radiation-hardened camera.

MSRP	€85.000
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price on request



SPACE INVENTOR APS

X-Band Patch 4 antenna

The X-Band Patch 4 antenna is a high-frequency single-port array designed for satellite communication, radar systems, and high-frequency applications requiring precise directional

MSRP	€8,000
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Frequency range	7250-7750 MHz
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Configuration	4x4-element array, single port
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price on request



SPACE INVENTOR APS

Z7000-P4

Versatile payload and onboard computing platform based on a dual-core ARM Cortex-A9 SoC with integrated FPGA logic.

MSRP	€18,000
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Processor	Dual-core ARM Cortex-A9 MP-Core with NEON SIMD
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FPGA logic	125K programmable cells
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Interfaces	LVDS/SpaceWire, up to 1 Gb Ethernet, CAN, RS-422, I2C
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Data storage	Up to 64 GB eMMC
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Operating system	FreeRTOS (Linux also supported)
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\$18 000

Contact Space Inventor ApS

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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<https://space-inventor.com>

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