



Spacemanic s.r.o.

Slovakia · founded 2017 · spacemanic.com

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WITH DATASHEETS

newspacemarket.com/companies/spacemanic-s-r-o/

as of 28 August 2026



Spacemanic s.r.o.

Spacemanic CZ s.r.o. is a Czech-based nanosatellite company offering complete, end-to-end CubeSat mission services. From mission design and hardware development to launch and operations, we simplify the path to orbit. With flight-proven platforms, modular subsystems, and a growing mission portfolio, we empower commercial, scientific, and tech demo payloads with speed and reliability. Founded in 2019, we've already delivered 11 missions—making space access more agile and affordable than ever. We provide:

- * Nanosatellite platforms
- * Turnkey missions
- * Ready made SIGINT and ISR satellites
- * Wide range of subsystems (TRX, antenna, OBC, GNSS and attitude knowledge, EPS, solar panels, etc.)
- * Rideshare missions
- * Launch management
- * In-orbit operations
- * Ground station services

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

Development – R&D Services

Spacemanic offers R&D services including embedded system design, overall systems engineering, and hardware, firmware, and software development, covering CAD drafting, PCB design, and software solution

Ground Station Services

Spacemanic offers ground station services for satellite tracking, data reception, decoding, and storage, utilizing their own stations and in-house decoding software.

Launch Campaign

Spacemanic supports launch campaigns by defining mission parameters, finding launch providers, handling paperwork, and conducting preflight testing and integration for various orbits.

Satellite Design

Spacemanic offers satellite design services, including mission requirements analysis, component selection, configuration, technical budgeting, and orbit prediction, utilizing expertise and simulation

Satellite Environmental and Functional Testing

Spacemanic provides environmental and functional testing services, including vibration, thermo-vacuum, radiation tolerant tests, X-ray microscopy, and antenna characteristics measurements.

Product catalogue



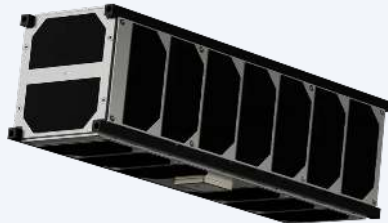
SPACEMANIC S.R.O.

12U – 16U Platform

The 12U–16U Platform is a versatile satellite bus designed for demanding space applications, offering significant power, volume, and flexibility for missions like high-resolution i

Payload volume (max) 12u	8.5U
Payload mass (max) 12u	16 kg
Available power per psu channel 12u	> 48 Wh
Power output 12u	3.3 V, 5 V, 12 V
Power output (additional) 12u	5 V, 12 V
Communication (options) 12u	UHF, VHF, S-Band, L-Band, X-Band
Communication (options) (additional) 12u	S-Band, L-Band, X-Band

price on request [datasheet](#)



SPACEMANIC S.R.O.

1U – 3U Platform

Modular CubeSat platform available in 1U, 2U and 3U configurations, offering payload volume up to 2U, payload mass up to 4 kg, and multiple RF and data interface options for missio

Payload volume (max) — 1u	0.5U
Payload mass (max) — 1u	1 kg
Available power per psu channel (max) — 1u	23 Wh
Power output — 1u	3.3 V, 5 V
Communication (options) — 1u	5 V, UHF, VHF
Data interface (CSP v1) — 1u	I2C, RS-485, CAN
Payload volume (max) — 2u	1.5U

price on request [datasheet](#)



SPACEMANIC S.R.O.

6U-8U CubeSat Platform

Modular 6U and 8U CubeSat bus with flight heritage, supporting payloads up to 7.5 kg (6U) or 10 kg (8U) and X-Band, S-Band, UHF/VHF communication options.

Form factor	6U or 8U CubeSat
Payload volume (6U)	4U
Payload volume (8U)	6U
Payload mass (6U)	up to 7.5 kg
Payload mass (8U)	up to 10 kg
Energy storage	> 48 Wh
Power outputs	3.3 V, 5 V, 12 V (configurable per PSU channel)

[price on request](#)



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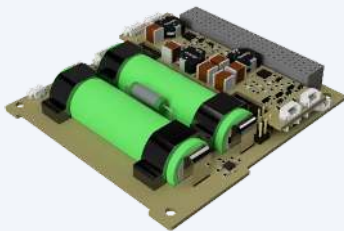
AMOS SchoolSat

SchoolSat is a hands-on 1U CubeSat educational kit built on an Arduino-compatible platform, teaching real satellite subsystems like EPS, Comm, DH, ADCS and Solar Panels for STEM pr

Price	Full kit 799 €
Lead time	6 weeks
Dimensions	1U CubeSat (10 x 10 x 13.5 cm)
Main board	Arduino Nano, 32 GB storage
Power board	2x Li-ion 3200 mAh batteries, 3.3 V, 5 V
Sensor board	3.3 V, 5 V; GPS; 3-axis Gyroscope; 3-axis Accelerometer; 3-axis Magnetometer; Temperature;
Communication	LoRa

[price on request](#)

[datasheet](#)



SPACEMANIC S.R.O.

Amun

Amun is a reliable power management unit for small satellites, designed in the PC/104 form factor for 0.5U-2U CubeSats.

Operating temperature	-40°C to +85°C
Dimensions	95.9 x 90.2 x 19.7 mm (0.2U)
Mass	185 g
Power outputs	1x fixed 3.3 V
Power outputs (2)	1x fixed 5 V
Power outputs (3)	4x configurable 3.3 V or 5 V
Power outputs (4)	1x VBAT

[price on request](#)

[datasheet](#)



SPACEMANIC S.R.O.

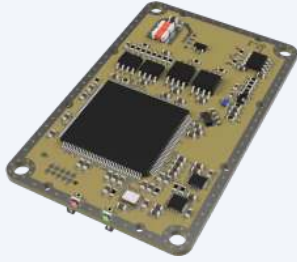
CELESTE GNSS Receiver

CELESTE is a compact, multi-constellation GNSS receiver designed for small satellite applications, offering high accuracy and various interface options.

Operating temperature	-40°C to +85°C
Dimensions	67 x 42 x 7.5 mm
Mass	25 g
Power supply	3.3 V
Power supply (for CAN)	5 V
Power consumption	250 mW (average)
Configuration options (GPS)	L1

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[datasheet](#)



SPACEMANIC S.R.O.

Deep Thought

Deep Thought is a compact, flight-proven on-board computer designed for small satellites, offering robust processing capabilities, extensive interfaces, and integrated sensors.

Operating temperature	-40°C to +85°C
Dimensions	67 x 42 x 7.5 mm
Mass	25 g
Power supply	3.3 V
Power consumption	330 mW (average)
Power consumption (peak)	< 500 mW (peak)
Operating system	FreeRTOS based

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SPACEMANIC S.R.O.

EDDIE

EDDIE is a compact, low-power on-board computer module designed for space applications, featuring an MSP430 microcontroller, FreeRTOS, and a variety of interfaces.

Operating temperature	-40°C to +85°C
Dimensions	67 x 42 x 7.5 mm
Mass	25 g
Power supply	3.3 V
Power supply (2)	5 V (for CAN)
Power consumption	60 mW average
Power consumption (peak)	100 mW peak

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SPACEMANIC S.R.O.

Lodestone

Lodestone is a compact, space-ready module integrating a 3-axis magnetometer, gyroscope, and accelerometer for attitude determination and motion sensing in nanosatellites and other

Flight heritage	Yes
ITAR free	Yes
Operating temperature	-40°C to +85°C
Dimensions	22 x 20 x 6 mm
Mass	< 10 g
Power supply	3.3 V
Power consumption	< 10 mW (peak & average)

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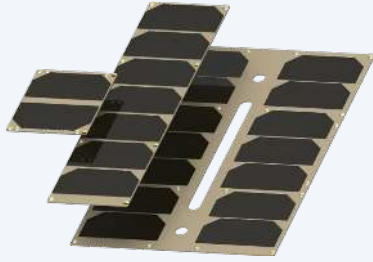
SPACEMANIC S.R.O.

Murgas

Murgas is a compact UHF/VHF transceiver module designed for CubeSats and small satellites, offering reliable communication for various space applications.

Operating temperature	-40°C to +85°C
Dimensions	67 x 42 x 7.5 mm
Mass	25 g
Power supply	3.3 V
Power supply (for CAN)	5 V
Power consumption (receiving)	0.14 W
Power consumption (transmitting)	3.3 W

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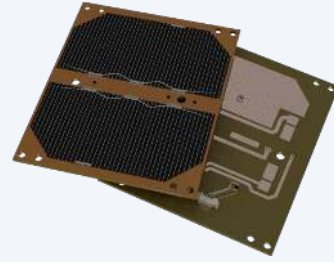
SPACEMANIC S.R.O.

Ra

Ra is Spacemanic's high-efficiency solar panel solution, engineered for nanosatellites and beyond, delivering reliable, mission-optimized energy for any platform size.

Flight heritage	Yes
ITAR free	Yes
Operating temperature	-40°C to +125°C
Efficiency	> 30%
Configurations	1U, 2U, 3U, 6U, 8U + customized design
Typical power harvest	up to 1.2 W per cell: 1U (2 cells) 2.4 W, 2U (4 cells) 4.8 W, 3U (7 cells) 8.4 W, 6U (16 c
Mass	30 g (typical 1U)

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SPACEMANIC S.R.O.

Ra Solar Panels

High-efficiency (>30%) custom solar panels for nanosatellites and small satellites, tailored to any CubeSat structure from 1U to 8U with premium solar cells.

Solar cell type	Premium triple-junction GaAs
Efficiency	> 30%
Panel sizes available	1U to 8U configurations
Operating temperature	-40 °C to +125 °C
Customization	Panel size, solar cell type, MPPT software – fully custom
ITAR	ITAR-free
Lead time	3–7 months

€2 400 – €18 700



SPACEMANIC S.R.O.

Small Antenna Module (SAM)

The Small Antenna Module (SAM) is a versatile deployable antenna module for nanosatellite communication systems, offering reliable performance and mission-tailored configurations w

Operating temperature	-40°C to +85°C
Dimensions	98 x 98 x 6.2 mm
Dimensions (inc. components)	98 x 98 x 10.1 mm
Mass	55 g
Power supply	5 V
Power consumption (average)	0.075 W
Power consumption (peak – deployment mode)	1.5 W

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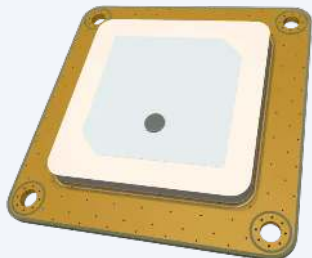
SPACEMANIC S.R.O.

Spacemanic CubeSat Platforms

Modular CubeSat satellite platforms offered in 1U–3U, 6U–8U, and 12U–16U configurations, available for dedicated or rideshare launch.

Configuration options	1U – 3U
Configuration options (2)	6U – 8U
Configuration options (3)	12U – 16U
Launch options	Dedicated or rideshare

[price on request](#)



SPACEMANIC S.R.O.

Zenith

Zenith is a high-performance ceramic patch antenna for GNSS reception in nanosatellite missions, offering precise positioning and a compact design.

Operating temperature -40°C to +85°C

Dimensions 50 x 50 x 8.8 mm (can be customised)

Mass 20 g (can be customised)

Supported bands GPS: L1 Galileo: E1 BeiDou: B1 GLONASS: G1

Frequency range 1556 – 1618 MHz (VSWR <2)

Version options Active Passive

Polarization RHCP

[price on request](#)

[datasheet](#)

Contact Spacemanic s.r.o.

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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