

NEWSPACE MARKET · COMPANY PROFILE



Needronix

Poland · founded 2017 · needronix.eu

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PRODUCTS

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SERVICES

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as of 20 August 2026



Needronix

Needronix is a Warsaw-based Polish space technology company specializing in the design and manufacture of components, subsystems, and systems for CubeSats and small satellites. Founded in 2017, the company has grown into a recognized European provider of reliable space hardware for the NewSpace market. Needronix's product portfolio includes onboard computers, power systems, communication modules, and structural components for 1U–12U CubeSats, as well as custom engineering services for larger small satellite platforms. The company emphasizes reliability, miniaturization, and compatibility with industry-standard interfaces to enable rapid satellite integration and deployment. As part of Poland's growing space sector, Needronix participates in ESA programs and European industry initiatives, serving both institutional customers and commercial NewSpace operators. The company has supplied hardware for multiple orbital missions and contributes to Poland's development as a space technology hub within the European Union.

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

Environmental Tests Needronix offers environmental testing services for space components, ensuring their resilience to harsh conditions.	Radio Communication Ground Testing Needronix performs ground testing for radio communication systems, verifying their performance and compliance.
Radio Communication License Application Support Needronix assists customers with the complex process of applying for radio communication licenses.	Satellite Component Integration Needronix offers services for integrating satellite components, ensuring seamless assembly and functionality.

Product catalogue



NEEDRONIX

Cormorant UHF/VHF Transceiver

Compact CubeSat UHF/VHF transceiver for TT&C — half-duplex, SpaceX/AX.25 protocol support, compact, low-power, flight-proven.

Frequency bands	UHF / VHF
Duplex mode	Half-duplex
Protocol support	AX.25, SpaceX
Applications	CubeSat TT&C (telemetry, tracking, command)

price on request



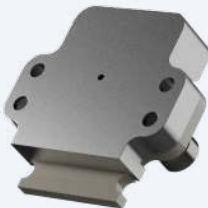
NEEDRONIX

Eagle Plus Sun Sensor

Ultra-high-accuracy CubeSat sun sensor — 0.0015° precision, 12g, I2C/SPI digital output, ideal for precision pointing missions.

Accuracy	0.0015°
Mass	12 g
Supply voltage	3.3 V
Interface	I2C / SPI (digital)
Applications	Precision pointing, optical communications alignment, high-accuracy ADCS

price on request



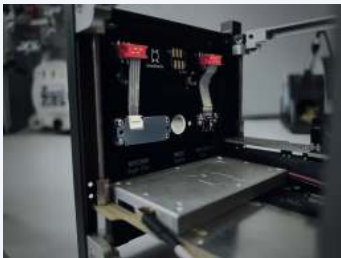
NEEDRONIX

Eagle Sun Sensor

Fine sun sensor for CubeSats and small satellites — 0.09° accuracy, ±60° FOV, 12g, 3.3V supply, digital I2C/SPI output. Suitable for nano/microsatellites requiring high-accuracy su

Accuracy	0.09°
Field of view	±60°
Mass	12 g
Supply voltage	3.3 V
Interface	I2C / SPI (digital)
Applications	Sun vector determination, detumbling, attitude control

price on request



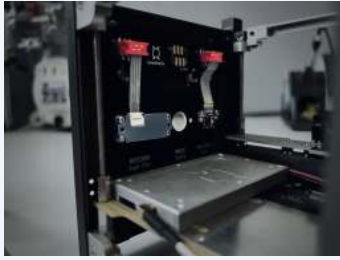
NEEDRONIX

Environmental Testing Services

Space environmental qualification testing for CubeSats and components — thermal vacuum (TVAC), vibration, shock, and EMC/EMI testing services with reporting.

Test types	TVAC, vibration, shock, EMC/EMI
Facility	In-house test equipment
Output	Full test reports for mission assurance
Customers	Other satellite developers and component suppliers

price on request



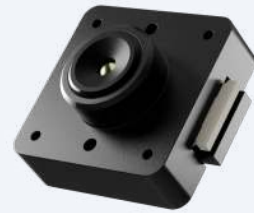
NEEDRONIX

Ground Station Services

CubeSat ground station services — UHF/VHF/S-band contact scheduling, telemetry archiving, on-demand pass booking, and mission operations center (MOC) support for satellite operator

Frequency bands	UHF, VHF, S-band
Services	Contact scheduling, telemetry archiving, MOC support
Data access	Cloud dashboard, standard format files
Booking	On-demand pass booking

price on request



NEEDRONIX

Osprey Earth Sensor

Nadir/earth sensor for CubeSats and small satellites — provides Earth-pointing reference for attitude determination, compact and low-power.

Sensor type	Earth/nadir sensor
Output	Nadir direction vector
Applications	Nadir-pointing, Earth observation, ADCS complement

price on request



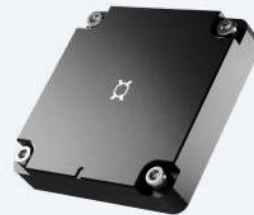
NEEDRONIX

Satellite Transport Boxes

Custom foam-lined transport and shipping containers for CubeSats and small satellites — vibration isolation, ESD protection, humidity control, ISSTA and MIL-SPEC-grade protective p

Protection	Vibration-isolating foam, ESD shielding, humidity control
Standards	MIL-SPEC, ISSTA protective packaging
Configurations	Full satellite, subsystem, and component variants

price on request



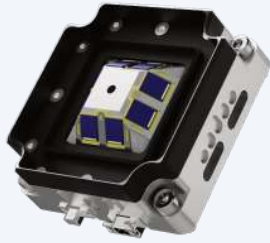
NEEDRONIX

Sparrow OBC Node

Miniature on-board computer (OBC) node for CubeSat satellite bus — distributed computing architecture, RTOS support, low power, compatible with Needronix ADCS and communications pr

Type	Distributed OBC node
OS support	RTOS
Functions	Command/data handling, payload interface, housekeeping
Compatibility	Needronix Cormorant, Eagle, ADCS ecosystem

price on request



NEEDRONIX

Swan GEO Sun Sensor

High-dynamic-range sun sensor specifically optimized for GEO operations — wide operating range handling full GEO illumination conditions without saturation.

Target orbit	Geostationary (GEO)
Key feature	High dynamic range for GEO illumination conditions
Applications	GEO attitude determination, momentum management, eclipse transitions

price on request

Contact Needronix

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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