

NEWSPACE MARKET · COMPANY PROFILE



# NBSpace

Thailand · founded 2021 · [nbspace.co.th](https://nbspace.co.th)

11

PRODUCTS

5

SERVICES

[newspacemarket.com/companies/nbspace/](https://newspacemarket.com/companies/nbspace/)

as of 20 August 2026



# NBSpace

---

NBSpace is a Thailand-based team of space enthusiasts working to become a leading, reliable provider of satellite solutions. The company designs and manufactures a full range of CubeSat subsystems, aiming to improve the reliability, efficiency, and cost- and time-effectiveness of small satellite missions for academic, government, and commercial customers across Southeast Asia and beyond. NBSpace's product line spans nearly every subsystem needed to build a CubeSat, including attitude determination and control systems (ADCS), deployable and patch antennas, electrical power systems (battery packs, MPPT units, and power control and distribution units), communication transceivers and modems covering UHF, VHF, S-band, and X-band frequencies, camera and imaging modules, photovoltaic panels, and modular satellite structures in 1U, 3U, and 6U configurations. In addition to hardware, NBSpace operates in-house testing and integration facilities, including a thermal vacuum chamber, vibration shaker, and prototyping and manufacturing labs, along with a satellite command center for mission operations. The company also offers ground station equipment and design services, positioning itself as an end-to-end partner for small satellite missions from concept through in-orbit operations. NBSpace has worked with academic and research partners across the region, reflecting its role as a regional hub for CubeSat component supply, testing, and mission support in Thailand's growing space sector.

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

---

### AIT Center

NBSpace offers Assembly, Integration, and Test (AIT) services utilizing a range of specialized equipment for environmental and functional testing.

### Design Lab

NBSpace's Design Lab provides advanced design and engineering services using high-performance computing and CAD-CAE-CAM software.

### Manufacturing Center

NBSpace provides advanced manufacturing services for precision components and assemblies.

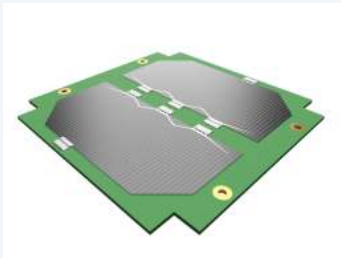
### Prototyping Lab

NBSpace's Prototyping Lab offers rapid prototyping services using advanced manufacturing and testing tools.

### Satellite Command Center

NBSpace offers ground segment services including UHF-VHF Ground Station and Mission Control Center operations.

# Product catalogue



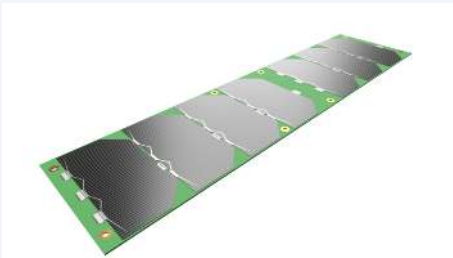
NBSPACE

## 1U Solar Panel

1U-format photovoltaic panel from NBSPACE, built with space-grade materials for lightweight, compact CubeSat power generation.

|                |                                                                   |
|----------------|-------------------------------------------------------------------|
| Product family | Photovoltaic Panel (1U/3U/6U)                                     |
| Form factor    | 1U                                                                |
| Materials      | Space-grade materials for durability and optimal power generation |
| Design         | Lightweight, compact, easy satellite integration                  |

price on request



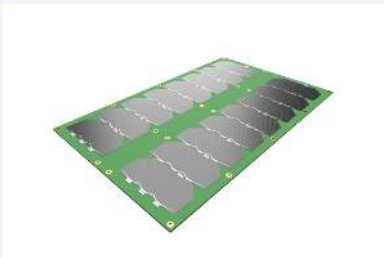
NBSPACE

## 3U Solar Panel

3U-format photovoltaic panel from NBSPACE, built with space-grade materials for lightweight, compact CubeSat power generation.

|                |                                                                   |
|----------------|-------------------------------------------------------------------|
| Product family | Photovoltaic Panel (1U/3U/6U)                                     |
| Form factor    | 3U                                                                |
| Materials      | Space-grade materials for durability and optimal power generation |
| Design         | Lightweight, compact, easy satellite integration                  |

price on request



NBSPACE

## 6U Solar Panel

6U-format photovoltaic panel from NBSPACE, built with space-grade materials for lightweight, compact CubeSat power generation.

|                |                                                                   |
|----------------|-------------------------------------------------------------------|
| Product family | Photovoltaic Panel (1U/3U/6U)                                     |
| Form factor    | 6U                                                                |
| Materials      | Space-grade materials for durability and optimal power generation |
| Design         | Lightweight, compact, easy satellite integration                  |

price on request



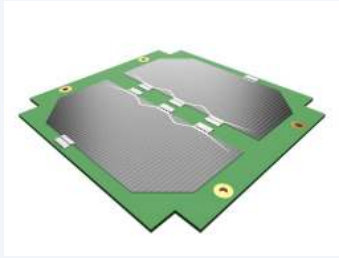
NBSPACE

## ADCS Subsystem

NBSPACE's Attitude Determination and Control System (ADCS) provides precise orientation and stabilization for CubeSats, available in 1U, 3U, and 6U configurations.

|                |            |
|----------------|------------|
| Configurations | 1U, 3U, 6U |
|----------------|------------|

price on request



## NBSPACE

### Camera Processing Module

Image-processing module in NBSPACE's Camera System line, supporting customizable spectral imaging (visible, infrared, multispectral) for small satellites.

|                     |                                                                            |
|---------------------|----------------------------------------------------------------------------|
| Product family      | Camera System                                                              |
| Spectral capability | Customizable – visible, infrared, and multispectral imaging                |
| Design goal         | Reliable operation in the space environment with minimal power consumption |

price on request



## NBSPACE

### CubeSat Electrical Power System (EPS)

Complete CubeSat EPS for 1U, 3U, and 6U missions — includes Battery Pack Unit, MPPT solar charge controller, and PCDU for reliable power throughout the mission.

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| Components             | Battery Pack Unit (BPU), MPPT controller, PCDU      |
| Supported form factors | 1U, 3U, 6U CubeSat                                  |
| Test equipment         | Solar array simulator                               |
| Key features           | Scalable power budget, high-efficiency, space-grade |

price on request



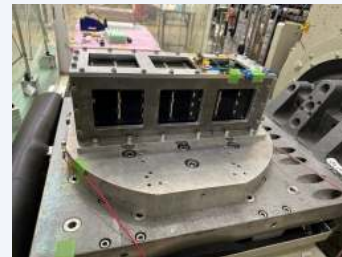
## NBSPACE

### NBSPACE CubeSat Products

A catalogue of CubeSat subsystems and ground segment equipment from NBSPACE, covering ADCS, antennas, power, communications, cameras, solar panels, structures, and ground stations

|                                        |                                                                |
|----------------------------------------|----------------------------------------------------------------|
| ADCS Subsystem configurations          | 1U, 3U, 6U                                                     |
| Antenna System - types                 | Deployable Antenna, S-band Patch Antenna, X-band Patch Antenna |
| Electrical Power System configurations | 1U, 3U, 6U                                                     |
| Electrical Power System - components   | Battery Pack Unit, MPPT, PCDU                                  |
| Communication System - frequency bands | UHF, VHF, S-band, X-band                                       |
| Camera System - components             | Camera Module, Camera Processing Module                        |
| Camera System - spectral bands         | Visible, infrared, multispectral                               |

price on request



## NBSPACE

### NBSPACE Services

NBSPACE offers a comprehensive suite of services for space product development, testing, and operation, including an AIT Center, Prototyping Lab, Manufacturing Center, Satellite Co

price on request

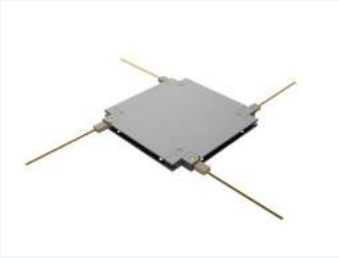


NBSPACE  
Our Products (NBSPACE CubeSat Products)

NBSPACE offers a range of cutting-edge CubeSat products including ADCS, antenna systems, electrical power systems, communication systems, camera systems, photovoltaic panels, and C

|                                   |                                                                                            |
|-----------------------------------|--------------------------------------------------------------------------------------------|
| ADCS Configurations               | 1U, 3U, 6U                                                                                 |
| Antenna System Types              | Deployable Antennas, S-band Patch Antenna, X-band Patch Antenna                            |
| EPS Configurations                | 1U, 3U, 6U                                                                                 |
| EPS Components                    | High-efficiency solar panels, rechargeable batteries, power distribution unit (PCDU), MPPT |
| Communication System Frequencies  | UHF, VHF, S-band, X-band                                                                   |
| Camera System Spectral Bands      | Visible, Infrared, Multispectral imaging                                                   |
| Photovoltaic Panel Configurations | 1U, 3U, 6U                                                                                 |

price on request

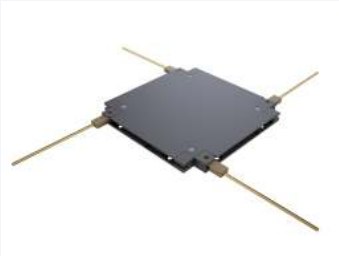


NBSPACE  
S-band Patch Antenna

S-band patch antenna from NBSPACE's Antenna System line, providing lightweight, compact RF connectivity for small satellite uplink/downlink.

|                |                                                              |
|----------------|--------------------------------------------------------------|
| Product family | Antenna System (deployable antennas)                         |
| Band           | S-band                                                       |
| Design         | Lightweight and compact patch antenna structure              |
| Typical use    | Data transmission, remote sensing, telemetry uplink/downlink |

price on request



NBSPACE  
X-band Patch Antenna

X-band patch antenna from NBSPACE's Antenna System line, providing lightweight, compact RF connectivity for high-rate small satellite downlink.

|                |                                                      |
|----------------|------------------------------------------------------|
| Product family | Antenna System (deployable antennas)                 |
| Band           | X-band                                               |
| Design         | Lightweight and compact patch antenna structure      |
| Typical use    | High-rate data transmission, remote sensing downlink |

price on request

## Contact NBSpace

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/nbspace/>

<https://nbspace.co.th>