

LibreCube - Open Source CubeSat Engineering

Overview

Inspired by the success of the open source software movement and the emerging open hardware initiatives, LibreCube was established to strive for opening the access and usage of space technology to everyone - starting from small scale with CubeSats!

🔧 WHAT IS A CUBESAT?

A CubeSat is a standardized nanosatellite (in terms of dimensions and weight) that conforms to the CubeSat Design Specification. CubeSats have gained huge popularity as educational tools over the last decade and are nowadays being exploited for commercial applications more and more.

🔧 WHAT IS LIBRECUBE?

LibreCube is a non-profit initiative with the goal of making CubeSat technology accessible to everyone and with the intention of harnessing and sharing knowledge and to foster the spirit of open collaboration among the CubeSat community.

🚀 HOW DOES IT WORK?

The LibreCube website provides access to a growing number of modular projects, which comprise all systems needed for a typical CubeSat mission. This includes spacecraft subsystems, components, ground systems, flight software, etc. All projects are completely open source, meaning that everyone is free to use, modify, and redistribute them. In addition, projects conform to international space standards and undergo strict quality control in order to guarantee high reliable, modular, and exchangeable products.

🔧 HOW TO START?

Go visit the website today and start discovering! Download schematics, design files, source code, and documentation. Build and assemble. Modify to your needs. Submit your modifications or your own design, and share it with the entire community!



🔧 www.librecube.net

