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Infinity Aerospace Launches World's First Open Source "Plug and Play" Microgravity Laboratory

ArduLab® enables anyone from high school students to drug companies to perform research in space.

New York, NY - February 26, 2013 - Infinity Aerospace announced that it is shipping the ArduLab®, the first true "plug and play" platform for microgravity research, simplifying the process of conducting research in space. ArduLab®, is a standard sized container in which scientists and researchers can build space experiments. The platform includes simple programmable micro-controller, allowing automation, control, and data collection of the experiment. ArduLab® was unveiled Saturday at the Kairos Global Summit on the trading floor of the NYSE. Targeting the educational and scientific markets, ArduLab® is the first of several products that will change the way research and commercial technology development is done in space.

"The ArduLab® is space-certified hardware that lets scientists concentrate on science," said Manu Sharma, founder of Infinity Aerospace. "Years ago, as an undergraduate aerospace student, I found it unacceptable that scientists had to spend so much time designing, building and certifying space hardware. That's like saying airline passengers must design the airplanes they fly on. Now, with the acceleration of the commercial space industry, we can offer off the shelf solutions that allow the scientists to work on actual science," added Sharma.

Developed for and in conjunction with Nanoracks, a commercial leader in sending research payloads to the International Space Station, the ArduLab® was created to be a component in Nanoracks vision to make research in space accessible for anyone from high school students to drug companies. The ArduLab® is designed specifically for "out of the box" certification by NASA and for compatibility with Nanoracks platforms on the International Space Station, the suborbital vehicles Virgin Galactic SpaceShip 2, XCOR Lynx, and the parabolic aircraft G-Force One.

Infinity Aerospace's ArduLab® 1.0 "Education" model addresses the problem that research in space usually requires the researchers (chemists, biologists, materials scientists, etc.) to design, build and certify the space hardware on which their experiments run. ArduLab® is an Arduino based, open source, 1U cubesat form factor platform ready to use "out of the box". ArduLab® enables researchers to literally "plug and play" sensors and other technology and easily conduct valuable scientific research in microgravity.

"By supporting the off the shelf sensors already compatible with the Arduino platform, ArduLab® enables students and researchers to rapidly develop experiments focused on the microgravity environment," said Brian Rieger, Co-Founder of Infinity Aersopace. "With close to a million Arduinos sold to date, there is enormous information and existing code resources available to simplify implementation. With the launch of ArduLab®, creating space experiments just became a whole lot simpler."

The ArduLab® is available for order as of today on http://www.ardulab.com.

About Infinity Aerospace
Infinity Aerospace is currently concentrated on developing science facilities and platforms for low earth orbit, sub-orbital, and parabolic flights to revolutionize the way research and commercial technology development is done in space. Infinity is a combination of aerospace specialists and technology generalists. Our core mission is to synthesize diverse technologies to create disruptive commercial space products that solve problems at a factor of the cost and time of the traditional siloed aerospace approach. For more information visit: http://www.ardulab.com

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ArduLab® 1.0 Fact Sheet

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Arduino Based

By supporting the off the shelf sensors already compatible with the Arduino software platform, ArduLab® enables students and researchers to rapidly develop experiments focused on the microgravity environment. With close to a million Arduinos sold to date, there is a massive worldwide developer community with enormous informational and existing code resources. Furthermore, Arduino has become a standard introductory programing language in educational institutions worldwide.

Open Source

The open source nature of the Arduino drastically simplifies the potential for ITAR conflicts or restrictions.

Flexible Form Factor

The ArduLab® is based on the 1U CubeSat form factor (a 4" or 10 cm cube). Our standard sizes are 1U, 2U, and 3U form factors. We can create larger units or deliver any combination of sizes needed for a specific experiment.

NanoRacks Compatible

The ArduLab® comes with a microcontroller board and non-metallic structure specifically designed for the space environment and ready to integrate with the NanoRacks Platforms now permanently in the U.S. National Lab on the International Space Station.

Support

As both aerospace engineers and DIY makers with years of Arduino experience, we are uniquely qualified to help our customers with the problems that pop up during integration.

Availability

The ArduLab® is available for order as of today on http://www.ardulab.com.

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