

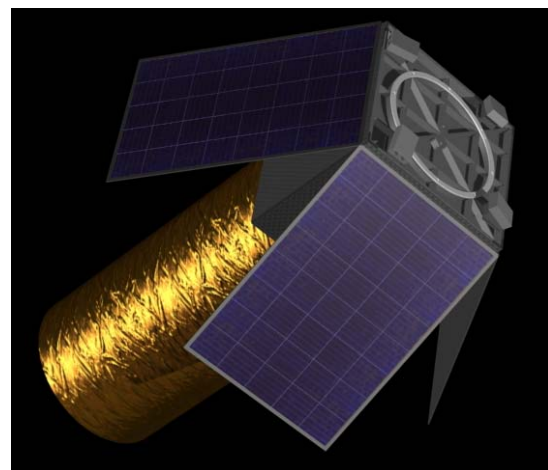


IMI-200 Miniature 3-Axis ADACS Product Specification (6-19-2008)

The IMI-200 is a 3-axis Miniature Attitude Determination and Control System (mADACS) in a hermetically sealed 3" x 3" x 2.75" enclosure. It is suitable for up to about 40lbs Nanosatellite applications requiring precise 3-axis pointing such as is required for Earth imaging or Celestial pointing. In the same family of products are the IMI-100/101 systems for CubeSat spacecraft.



IMI-200



Typical Nanosat Application

The IMI-200 is an enhanced version of the IMI-201 Miniature Reaction Wheel which adds electromagnets, magnetometer, and sun sensors as well as a fully programmed ADACS computer. The IMI-200 can provide turnkey ADACS capability for all nanosatellites including CubeSats.

IMI-200 Specifications

Momentum Storage	10.8 mNm
Maximum Torque	2.23 mNm
Command and TLM	RS-232
Dimensions	3" x 3" x 2.75" (24.75 in³)
Weight	2.0 lb (915 gm)
Operating Temperature	-40C to +80C
Vibration	> 10 g rms
Radiation	30 krad
Power Supply	12 vdc @ 360 ma

