The IMU383ZA is a pin-compatible replacement for the popular IMU380ZA and IMU381ZA Inertial Measurement Units. The IMU383ZA offers improved performance, in addition to a unique fault-tolerant sensor architecture for improved reliability. Other key features include advanced synchronization, and a bootloader for field upgradeability.

The ACEINNA IMU383ZA integrates highly-reliable MEMS 6DOF inertial sensors in a miniature factory-calibrated module to provide consistent performance through the extreme operating environments in a wide variety of dynamic control and navigation applications.

Applications

- Unmanned Vehicle Control
- Precision Agriculture
- Platform Stabilization
- Robotics Control
This product has been developed exclusively for commercial applications. It has not been tested for, and makes no representation or warranty as to conformance with, any military specifications or its suitability for any military application or end-use. Additionally, any use of this product for nuclear, chemical or biological weapons, or weapons research, or for any use in missiles, rockets, and/or UAV’s of 300km or greater range, or any other activity prohibited under the Export Administration Regulations, expressly prohibited without the written consent and without obtaining appropriate US export license(s) when required by US law. Diversion contrary to U.S. law is prohibited. Specifications are subject to change without notice.

1 Allan Variance Curve, constant temperature. 2 mean + 1-sigma of production population.