

Septentrio Introduces AsteRx-i3 GNSS/INS Product Line



Septentrio has launched a new product line of high-performance GNSS/INS receivers called AsteRx-i3. The AsteRx-i3 product family brings to market an array of next-generation receivers from plug-and-play navigation solutions to feature-rich receivers with raw measurement access. Septentrio is a leader in high-precision GNSS positioning solutions.

OEM boards are available for rapid integration as well as ruggedized receivers enclosed in a waterproof IP68 housing. Such product variety accommodates specific needs of various applications which require high-accuracy positioning together with 3D orientation, heading and pitch and roll angles.

“Using our off-the-shelf GNSS/INS systems allows our customers to focus their efforts on core technology and to reduce their products’ time-to-market,” commented Danilo Sabbatini, product manager at [Septentrio](#). “With this new generation of products, we aim to satisfy specific needs of various customers. Instead of releasing a single general-purpose product, we bring several dedicated solutions for fastest and easiest integration into systems that require robotic navigation or sensor fusion.”

3D orientation and dead-reckoning functionality

AsteRx-i3 Pro+ receivers support either single or dual-antenna modes. The single-antenna mode is well-suited for compact and lightweight configurations. The dual-antenna mode reduces the need for movement during IMU initialization, allowing fully informed navigation from mission start.

The AsteRx-i3 product line includes a total of five new GNSS/INS receivers. The Pro receivers offer high-accuracy positioning with 3D orientation and dead-reckoning functionality for fast and easy plug-and-play integrations. Meanwhile, the Pro+ are among the most versatile receivers providing integrated positioning and orientation along with raw measurements, in single or dual-antenna configurations, ideal for applications with sensor fusion. One of the receivers offers an off-board IMU sensor, which can be mounted exactly at the alignment point of interest.

For more information about the new AsteRx-i3 product line, [see here](#).