



First dev-kits available for mosaic, Septentrio's new high-precision GNSS module

mosaic™ is Septentrio's most compact high-precision GPS/GNSS receiver module. This next-generation receiver is now available for trial with its newly released development kit.

Leuven, Belgium – June 30, 2019 – Septentrio announces today that the mosaic™ development kit is available for testing and integration. [mosaic™](#) is Septentrio's most compact next-generation, high-precision multi-frequency GPS/GNSS module. This coin-sized receiver brings precision and reliability of high-end multi-frequency GNSS to mass market applications. It is designed to fit into the assembly line process, which allows mosaic™ to be favorably priced for high volumes.

Its light weight and low power consumption helps extend battery life of robotic devices increasing operation time and efficiency. This makes mosaic™ ideal for applications such as robotics, automation, telematics and wearables.

"We see a growing demand for reliable high-precision positioning," said Chris Lowet, Product Manager at Septentrio. "A few years ago, this demand was concentrated in professional applications, such as high precision mapping. Today, with expansion of robotics, automation and IoT, a wide range of devices need high-precision positioning, from Ag robots to IoT gateways to autonomous vehicles. We designed mosaic to answer these market needs."

Some of mosaic's highlights include:

- Centimeter positioning in tough environments with multi-frequency, multi-constellation GNSS technology
- Best-in-class Advanced Interference Mitigation ([AIM+](#)) allows you to continue working despite radio interference from other electronic devices or jamming
- Extensive corrections support for high-accuracy positioning: SBAS, PPP, SSR, RTK
- [RAIM+](#), integrity engine needed for safety-critical applications such as autonomous vehicles
- Tracking all current and future GNSS satellite signals for enhanced RTK (Real-Time Kinematic) performance and guaranteed RTK network compatibility
- 100 Hz update rate, ideal for robotics and fast-moving vehicles

The development kit assists Septentrio customers with integrating mosaic™ into their system. It supports connectivity through internet, COM ports, USB 2.0 as well as an SD Card slot. Would you like to try out mosaic™ in your system? Contact Septentrio to request your development kit [here](#).

About Septentrio

Septentrio provides high-precision, multi-frequency, multi-constellation GPS/GNSS positioning technology for use in demanding applications. Reliable centimeter-level positioning enables machine autonomy, provides operational continuity and ensures safety-of-life. Septentrio provides positioning solutions for professional

applications in industries such as autonomous vehicles, robotics, construction, marine, logistics and unmanned aerial vehicles (UAVs).

Septentrio has its headquarters in Leuven, Belgium and has a world-wide presence with offices in Los Angeles, Shanghai and Yokohama as well as numerous partners around the world. To learn more about Septentrio and its products, visit [septentrio.com](https://www.septentrio.com).