

Juniper Systems Launches Next-generation GNSS Receiver



Juniper Systems has introduced the all-new Geode GNS3 GNSS receiver. It enables users to easily collect real-time GNSS data with sub-metre, sub-foot and decimetre accuracy options – without the huge price tag or complexity of other precision receivers. This scalable platform allows users to purchase the level of accuracy they need now while having the option to increase accuracy in the future. The Geode GNS3 GNSS receiver is now available worldwide.

“This new Geode offers expanded accuracy options to our users,” said John Florio, Geode product manager at Juniper Systems. “We set out to deliver a product that is scalable to our users’ needs. The GNS3 allows users to purchase a receiver that fits their accuracy needs at the moment, while still being able to unlock greater accuracy through

subscriptions when that need arises.”

New Markets That Require a Higher Degree of Accuracy

Available in both single-frequency and upgradable multi-frequency antenna configurations, users have the level of accuracy needed to get the job done. The Geode GNS3S (single frequency) offers superb sub-metre accuracy with a single-frequency antenna. The GNS3M (multi-frequency) allows for scalable accuracy. Its multi-frequency antenna includes support for all constellations on L1, L2, and L5 frequencies. Multi-frequency signal tracking, together with Atlas L-Band correction subscriptions, allow for up to decimetre accuracy. As with previous Geode devices, SBAS corrections are available for sub-metre accuracy in certain regions. Both models also support local differential GNSS RTK/CORS network corrections through the Geode Connect NTRIP Client.

“Providing Atlas corrections and scalable accuracy allows for the Geode to be used in new markets,” Florio said. “A few of these include water utility locating, agriculture and irrigation mapping, mapping projects in remote locations where other correction services are not available, and any other mapping need that requires a higher degree of accuracy.”

The [Geode GNS3](#) continues to offer flexible connectivity and can be used with Windows, Android, iPhone, and iPad devices. Its all-in-one design makes the Geode GNS3 a compact device with a single button for easy use. A USB-C port allows for data transfer and fast charging and an antenna port allows for the use of an external antenna if desired.



Surveyor using the GNS3 Geode GNSS receiver in the field.