Looking for a simple sub-meter GNSS solution at an affordable price? With the Geode, you can easily collect real-time, sub-meter GNSS data without the huge price tag or complexity of other precision receivers. Designed with versatility in mind, the Geode works with iPhone and iPad as well as a wide range of Windows®, Windows Mobile, and Android™ devices and is especially useful for bring-your-own-device workplaces. Take the Geode with you mounted on a pole, in a pack, or held in your hand to collect real-time sub-meter GNSS data in harsh environments, using almost any handheld device.

**SUB-METER GPS RECEIVER**

**SUB-METER ACCURACY** – Collect precision GNSS data with an existing device

**REAL-TIME DATA** – Multiple correction sources provide precise, real-time data

**AFFORDABLE** – Professional accuracy at a budget-friendly price

**COMPACT SIZE** – Small and lightweight for all-day use

**OPEN INTERFACE** – Works with Juniper Systems’ handhelds or your own device

**SIMPLE TO USE** – Intuitive and easy operation, one-button simplicity

**ALL-DAY BATTERY LIFE** – Ideal for long work days

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GEODE GNS2 COMPATIBILITY
- iPhone XS, iPhone XS Max, iPhone XR, iPhone X, iPhone 8, iPhone 8 Plus, iPhone 7, iPhone 7 Plus, iPhone SE, iPad Pro 12.9 inch (3rd Generation), iPad Pro 11-inch, iPad (6th Generation), iPad Pro 12.9 inch (2nd Generation), iPad Pro 10.5 inch, iPad Pro 12.9 inch (1st Generation)
- Windows® PC (8/10)
- Windows® Embedded Handheld 6.5
- Android™ 4.x and above
- GeodeConnect™ software provides configuration, communications setup, and receiver settings

RECEIVER
- Receiver Type: GNSS single frequency with carrier phase tracking
- Signals Received: GPS, SBAS, GLONASS, BeiDou, GALILEO and QZSS
- Channels: 162
- SBAS Tracking: 3-channel parallel tracking
- Update Rate: 1 Hz standard, 2–10 Hz (optional)

ACCURACY
- SBAS (WAAS): <30 cm Horizontal RMS (<60 cm 2DRMS)
- Cold Start: <60 sec typical (no almanac)
- Reacquisition: <1 sec

COMMUNICATIONS
- Bluetooth® 4.0 SPP, iAP2, EAP
- Bluetooth Range: Class 1 Long Range
- Ports: Micro USB Client 2.0; Serial RS232C DB-9 (optional)
- Serial Baud Rates: 4800–115200

RECEIVER PROTOCOLS
- Data I/O Protocol: NMEA 0183, Crescent Raw Binary (proprietary)
- Correction I/O Protocol: Hemisphere GNSS Proprietary, ROX, RTCM v2.3, RTCM v3.2, CMR, CMR+
- Other: 1PPS Timing Output, Speed Pulse, Event Marker Input (optional)

POWER
- Input Voltage: 5VDC @ 2A USB
- Power Consumption: 1.7–2 W nominal
- Overtime Technology™ Battery: 3.6V 6000 mAh Li-ion (10 hours)
- Charging Time: Less than 4 hours

CONTACT JUNIPER SYSTEMS TODAY FOR A QUOTE

1. Signals used dependent on model configuration
2. GNSS accuracy subject to observation conditions, multipath environment, number of satellites in view, satellite geometry, and ionospheric activity.