GET REAL-TIME, SUB-METER ACCURACY

SUB-METER GPS RECEIVER
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 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
GEODE GNS2 COMPATIBILITY
- iPhone 11 Pro Max, iPhone 11 Pro, iPhone 11, iPhone XS, iPhone XS Max, iPhone XR, iPhone X, iPhone 8, iPhone 8 Plus, iPhone 7, iPhone 7 Plus, iPhone SE, iPhone 6s Plus, iPhone 6s, iPhone 6 Plus, iPhone 6, iPod Touch (7th Generation), iPod Mini (5th Generation), iPad (7th Generation), iPad Pro 11-inch, iPad (6th Generation), iPad Pro 10.5 inch, iPad Pro 12.9 inch (1st, 2nd, and 3rd 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® 4.1 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 dependant on model configuration
2. GNSS accuracy subject to observation conditions, multipath environment, number of satellites in view, satellite geometry, and ionospheric activity.