Unmanned Systems
NovAtel® is the world’s leading supplier of high precision Position, Navigation and Time (PNT) technology to the unmanned industry. With over two decades of experience, no other supplier offers the breadth of product, integration expertise or engineering support that NovAtel provides its unmanned customers.

No Room for Error

Precision matters in unmanned systems. That is why integrators depend on the quality, reliability and performance of our PNT products for their system success—for land, air and marine unmanned applications.

NovAtel’s flexible technology platform and diverse product offering ensures we deliver the accuracy, signal availability and configurations you need. Our technology includes high precision receiver cards, cards+enclosures, antennas and SMART antennas. Positioning options include single point, DGPS, PPP, RTK, relative RTK and GNSS+INS (SPAN®).

NOVATEL ADVANTAGE

» Unrivalled quality
» An OEM business model: we supply the positioning in your product
» Commercial Off The Shelf (COTS) solutions with short lead times
» A highly skilled, engineer-based support team to guide you through the integration process
» Rapid integration of technology with autopilot, robotic, photogrammetry, LIDAR and other systems
PRECISE PRODUCTS, SUPERIOR SOLUTIONS

PRECISION GNSS RECEIVERS
Available card-level or enclosed, our multi-constellation, multi-frequency receivers offer low power consumption, field upgradeable software and comprehensive message suites for ease of configuration and data logging.

Our OEM625S™ SAASM-RTK GPS receiver and commercial OEM628™ receiver have compatible form-factors so integrators can have the flexibility to offer a non-SAASM variant to complement the SAASM-RTK version, according to their customer’s requirements.

The OEM617D™ simplifies integration by offering ALIGN® heading functionality on a single card which is our smallest form factor.

ANTENNAS
The right antenna maximizes your system’s performance. Our extensive GNSS antenna product line delivers many options, from compact, lightweight, low profile GNSS antennas for aviation applications to robust options for agricultural or machine control applications.

Our GAJT-AE™ anti-jam antenna electronics are designed for size and weight constrained applications such as small airborne and ground unmanned platforms. GAJT technology ensures you have positioning coordinates when intentional and unintentional GPS jamming occurs.

SPAN® GNSS+INS TECHNOLOGY
SPAN tightly couples NovAtel’s GNSS receivers with Inertial Measurement Units (IMU) for reliable, continuously available 3D position, velocity and attitude—even during periods of satellite signal unavailability. SPAN has enabled many of the world’s most advanced positioning challenges including the in-air refueling and landing of unmanned helicopters on the deck of a moving ship.

SMART ANTENNAS
SMART antennas integrate a GNSS receiver card and a high performance antenna element in a single compact enclosure. This combination simplifies installation and operation.

ENHANCED POSITIONING PERFORMANCE
ALIGN® heading technology provides high precision attitude and relative positioning information between two or more receivers for dynamic applications.

NovAtel CORRECT™ provides a single source of GNSS hardware, correction services and support. As a comprehensive NovAtel supplied solution, it makes it easy to achieve the best possible position. Centimetre, decimetre and metre-level solutions are available, with decimetre-level corrections delivered by TerraStar.

Waypoint® post-processing software (GrafNav/GrafNet® and Inertial Explorer®) maximizes accuracy and provides the ability to analyze position, velocity or attitude.

Application Programming Interface (API) is a set of predefined functions for developing custom software to execute from and interface with the GNSS receiver platform. With API you can develop specialized C/C++ applications to further extend the functionality of select versions of our OEM6® receivers.
## Contact Information

### TELEPHONE

<table>
<thead>
<tr>
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<th>Phone Number</th>
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</thead>
<tbody>
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<td>US &amp; Canada</td>
<td>1-800-NOVATEL (1-800-668-2835)</td>
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<td>or 403-295-4900</td>
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<td>China</td>
<td>0086-21-54452990-8011</td>
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<td>Europe</td>
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<tr>
<td>SE Asia &amp; Australia</td>
<td>61-400-883-601</td>
</tr>
</tbody>
</table>

### ONLINE

- **Web site**
  - [www.novatel.com/unmanned](http://www.novatel.com/unmanned)
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