



PRECISION GNSS + INERTIAL SOLUTIONS

OEM GNSS Receivers



OEM GNSS Receivers and Enclosures

| | BD910 | BD940 | BD940-INS | BX940 | BD970 | BD982 | BX982 | BD990 | BD992 | BD992-INS | BX992 | UAS1 | MB-Two | ABX-Two |
|--------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Technology | Maxwell 6 | Maxwell 7 | Maxwell 7 | Maxwell 7 | Maxwell 6 | Maxwell 6 | Maxwell 6 | Maxwell 7 | Maxwell 7 | Maxwell 7 | Maxwell 7 | Maxwell 7 | Z-Blade | Z-Blade |
| Size (mm) Weight (g) | 41 x 41 x 7 19 | 51 x 41 x 7 27 | 67 x 60 x 15 60 | 149 x 93 x 43 660 | 100 x 60 x 11.6 62 | 100 x 84.9 x 11.5 92 | 261 x 140 x 55 1600 | 100 x 60 x 11.6 54 | 100 x 60 x 11.6 60 | 100 x 60 x 11.6 62 | 185 x 93 x 43 760 | 71 x 46 x 13 45 | 71 x 46 x 11 24 | 190 x 58 x 160 1270 |
| Channels | 220 | 336 | 336 | 336 | 220 | 2 x 220 | 2 x 220 | 1 x 336 | 2 x 336 | 2 x 336 | 2 x 336 | 336 | 240 | 2 x 240 |
| Max. Update Rate (Hz) | 20 | 50 | 100 | 100 | 50 | 50 | 50 | 50 | 50 | 100 | 100 | 50 | 50 | 50 |
| GPS | L1 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2 | L1, L2 | L1, L2 |
| GLONASS | L1 | L1, L2, L3 | L1, L2, L3 | L1, L2, L3 | L1, L2 | L1, L2, L3 | L1, L2, L3 | L1, L2, L3 | L1, L2, L3 | L1, L2, L3 | L1, L2, L3 | L1, L2, L3 | L1, L2 | L1, L2 |
| BeiDou | B1 | B1, B2 | B1, B2 | B1, B2 | B1, B2 | B1, B2 | B1, B2 | B1, B2, B3 | B1, B2, B3 | B1, B2, B3 | B1, B2, B3 | B1 | B1, B2 | B1, B2 |
| Galileo | E1 | E1, E5a, E5b | E1, E5a, E5b | E1, E5a, E5b | E1, E5a, E5b | E1, E5a, E5b | E1, E5a, E5b | E1, E5a, E5b, E6 | E1, E5a, E5b, E6 | E1, E5a, E5b, E6 | E1, E5a, E5b, E6 | E1 | E1, E5b | E1, E5b |
| QZSS | L1 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2, L5 | L1, L2 | L1, L2 | L1, L2 |
| IRNSS | – | L5 | L5 | L5 | – | – | – | L5 | L5 | L5 | L5 | – | – | – |
| SBAS | L1 | L1, L5 | L1, L5 | L1, L5 | L1, L5 | L1, L5 | L1, L5 | L1, L5 | L1, L5 | L1, L5 | L1, L5 | L1 | L1 | L1 |
| L-Band / MSS | – | ✓ | ✓ | ✓ | – | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | – | ✓ | ✓ |
| Trimble RTX™ | – | IP / L | IP / L | IP / L | IP | IP / L | IP / L | IP / L | IP / L | IP / L | IP / L | L | IP / L | IP / L |
| OmniSTAR® | – | ✓ | ✓ | ✓ | – | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | – | – |
| RTK | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| INS Attitude/ Positioning | – | – | ✓ | ✓ | – | – | – | – | – | ✓ | ✓ | – | – | – |
| GNSS Heading/ GNSS Attitude | – / – | – / – | – / – | – / – | – / – | ✓ / – | ✓ / – | – / – | ✓ / – | ✓ / – | ✓ / – | – / – | ✓ / – | ✓ / ✓ |
| Connector | 80-pin | 80-pin | 44-pin | DE9 & DA26 | 24-pin + 6-pin | 40-pin | DE9 & DA26 | 44-pin | 44-pin | 44-pin | DE9 & DA26 | 26-pin | 28-pin | Various |

Refer to product specific datasheets for more details.

INTEGRATED TECHNOLOGIES

The Integrated Technologies division of Trimble provides high-precision GNSS positioning solutions and robust Wireless Communications that maximize productivity and enhance profitability for our customers.

Integrators may leverage a range of GNSS and Wireless Communication modules to serve a broad cross-section of major markets. Some of these markets include autonomous vehicle guidance, energy, agriculture, robotics, avionics, port automation, marine, mining, and oil & gas.

QUALITY

At Trimble, delivering our products and services with quality is an integral part of how we do our work and how our products work for our clients. Quality is a commitment that is woven through every aspect of our business in order to provide our customers with the best in class products and solutions.

INNOVATION

Innovation remains at the core of Trimble's identity, as it has from the beginning. Our high level of R & D expenditures ensure we continue to push the frontiers of what is possible.

PRECISION

Trimble delivers reliable industry-leading, centimeter-level positioning technology for applications that require high levels of precision. Customers can rely on the accuracy of measurements, positioning, or orientation.

INTEGRATION

Trimble products and solutions provide seamless integration for OEMs, whatever the application, with complete product integration no matter how complex. Trimble offers comprehensive, integrated solutions for specialized or custom hardware solutions.

PERFORMANCE

Trimble supplies comprehensive solutions that maximize performance. Our solutions offer specialized design and greater performance required to support a broad range of equipment and applications required by our customers and partners.

RELIABILITY

Trimble offers outstanding reliability in a wide range of guidance or control applications. Built on a solid framework of achievement, accuracy and consistent dependability of performance, customers can trust Trimble solutions.

FLEXIBILITY

Trimble products and solutions are easily adaptable to a diverse range of applications. Our customers benefit from advanced technology that is customizable to fit their specific business requirements. Interoperability provides a mix and match approach to solving customer's needs.

CUSTOMER FOCUS

At the center of Trimble's past, and future, success is an intimate knowledge of the user requirements that can be translated into practical and successful outcomes for the user.

SERVICE & SUPPORT

Quality, technology and service are the hallmarks of Trimble. With easy access to customer service, our customers are able to keep running continuously and efficiently. Our goal is your satisfaction, plain and simple.



TRIMBLE OEM GNSS RECEIVERS

Trimble's OEM GNSS offers centimeter-level positioning GNSS technology to system integrators. The GNSS receivers are designed for easy incorporation into specialized or custom hardware enclosures. In addition, Trimble's OEM GNSS receiver modules harness all constellation signals from GPS, GLONASS, Galileo and BeiDou to provide fast cm-level RTK initialization with proven low-elevation tracking. Decimeter positioning options are also available.

Trimble's OEM GNSS receiver portfolio offers a wide range of receiver modules as well as rugged enclosures. The products are designed for rugged dependability. Customers benefit from connectivity options for fast data transfer, as well as receiver configuration via standard web browsers. Industry professionals trust Trimble embedded positioning technologies as the core navigation for their precision applications.

For more information visit: www.trimble.com/Precision-GNSS



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Specification subject to change without notice. Refer to receiver datasheets for further information.

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