COMPARISON GUIDE

Trimble Integrated GNSS

SOLUTIONS

Empowering you with industry-leading GNSS solutions

For over 40 years, Trimble® has been at the forefront of positioning technology, continuously setting the standard in the field with innovative solutions that empower geospatial professionals across many industries. Our integrated GNSS systems epitomize this legacy, offering unparalleled precision, reliability, and efficiency for land surveyors and GIS professionals.

Whether you're conducting topographical surveys, mapping utilities, or staking out, the Trimble portfolio of integrated GNSS solutions helps you accomplish more in the field, no matter the challenge.

Find out more at:
geospatial.trimble.com/gnss-systems

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Trimble R980 GNSS System

Seamless connectivity.
Total confidence.

Delivering unmatched productivity in the most challenging of environments and a full suite of enhanced connectivity options, the Trimble R980 GNSS system represents the latest generation of GNSS surveying. With powerful technologies including Trimble TIP™ IMU-based tilt compensation and the industry-leading Trimble ProPoint® GNSS engine, the R980 delivers pinpoint accuracy, speed and flexibility to elevate productivity for land surveyors. The R980 offers various configuration levels and subscription options to tailor the system precisely to your specific surveying needs.

Trimble R780 GNSS System

Freedom to work your way.

The Trimble R780 GNSS system is an ultra-rugged, flexible, and scalable solution for daily survey needs. Featuring advanced Trimble ProPoint and Trimble TIP technology, the R780 offers precision and reliability. Its versatile configuration options allow you to choose the ideal setup—whether base, rover, or a combination of both—while additional options enable you to extend capabilities as your business grows.

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Trimble R580 GNSS System

Proven, reliable positioning.

Depend on the Trimble R580 GNSS system to keep you working with survey precision. Powered by Trimble ProPoint technology, this everyday receiver delivers greater productivity and reliable accuracy in more places. A professional solution for geospatial applications requiring high-accuracy survey or GIS workflows, the dependable R580 provides confidence for every measurement and point captured.

Trimble Catalyst DA2 GNSS System

Simply precise.

Revolutionizing the concept of a GNSS receiver, the Trimble DA2 GNSS receiver combined with the Trimble Catalyst™ GNSS positioning service provides ready access to Trimble centimeter-level positions for a wide range of survey and mapping applications. The subscription-based offering offers best-in-class GNSS technology without a large upfront investment and delivers performance and simplicity in an incredibly lightweight package.

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Trimble CenterPoint RTX correction service

Freedom to work anywhere.

The Trimble CenterPoint® RTX correction service delivers fast, high-accuracy GNSS positions to your receiver worldwide via satellite or internet, eliminating the need for a local base station or real-time network. Complementing RTK-survey methods, it is ideal for GNSS corrections on projects that span large geographic or remote areas.

A 12-month subscription is activated and included on newly purchased Trimble GNSS receivers (learn more at **rtx.trimble.com**).

A complete solution

Trimble offers a comprehensive suite of controllers, field software and office software to simplify data collection and processing for surveyors and GIS professionals. Create a complete solution by pairing your Trimble GNSS system with a Trimble controller, smartphone or tablet running Trimble Access™ or Trimble TerraFlex® field software. For data processing and creating deliverables, Trimble Business Center and Trimble Terra™ Office software provide user-friendly and efficient tools.

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Trimble Integrated GNSS SYSTEMS

	PREMIUM	ADVANCED	VALUE	SUBSCRIPTION-BASED
	TRIMBLE R980	**TRIMBLE R780**	**TRIMBLE R580**	**TRIMBLE CATALYST DA2**
				
Positioning technology	Trimble ProPoint with Trimble TIP IMU-based tilt compensation	Trimble ProPoint with Trimble TIP IMU-based tilt compensation	Trimble ProPoint	Trimble ProPoint
Communications	Base / rover / base and rover Dual-band UHF 450 / 900 MHz* 4G LTE Wi-Fi® and Bluetooth® Trimble IBSS (internet base station service) Supports TDL450B UHF radio	Base / rover / base and rover Dual-band UHF 450 / 900 MHz* Wi-Fi and Bluetooth Trimble IBSS (internet base station service) Supports TDL450B UHF radio	Base / rover Single-band UHF 450 MHz (receive only) Trimble IBSS (internet base station service) Supports TDL450B UHF radio	Rover only via Internet Bluetooth
Correction service	Trimble CenterPoint RTX QZSS CLAS / Galileo HAS	Trimble CenterPoint RTX QZSS CLAS / Galileo HAS	Trimble CenterPoint RTX	Trimble Corrections Hub (Trimble CenterPoint RTX and Trimble VRS Now™)
Correction outage	Trimble xFill®	Trimble xFill	Trimble xFill	-
Ionospheric GNSS signal mitigation	Trimble IonoGuard™	Trimble IonoGuard	Trimble IonoGuard	Trimble IonoGuard
Battery	6.5 hours (rover) integrated removable battery	5.5 hours (rover) integrated removable battery	5 hours (rover) integrated removable battery	External USB-powered battery (user supplied)
Data storage	9 GB internal memory	9 GB internal memory	256 MB internal memory	N/A
Ingress protection	IP67	IP68	IP65	IP65

* 900 MHz transmit available only where legally permitted.

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Contact your local authorized Trimble distributor to learn more.

Find out more at:
geospatial.trimble.com/gnss-systems

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