







Product Comparison

TRIMBLE GEOSPATIAL
SEPTEMBER 2020

TRIMBLE DISTRIBUTOR CONFIDENTIAL

TRIMBLE GEOSPATIAL GNSS SYSTEMS

	Integrated System					Modular System
	R12i	R12	R12LT	R8s	R2	R9s
						
GNSS surveying	Real-Time (RTK/VRS/RTX) and Postprocessed	Real-Time (RTK/VRS/RTX) and Postprocessed	Real-Time (RTK/VRS/RTX) and Postprocessed	Real-Time (RTK/VRS) and Postprocessed	Real-Time (RTK/VRS/RTX) and Postprocessed	Real-Time (RTK/VRS/RTX) and Postprocessed
Tracking technology	Trimble 360	Trimble 360	Trimble 360	Trimble 360	R-Track	Trimble 360
Channels	672	672	672	440	220	440
Solution type	ProPoint™ GNSS	ProPoint GNSS	ProPoint GNSS	Fixed/Float	Fixed/Float	HD-GNSS
Tilt compensation technology	Trimble TIP™, IMU-based, 30°	Trimble SurePoint, Compass-based, 15°	Optional upgrade to Trimble SurePoint	No	No	No
Correction outage	Trimble xFill®	Trimble xFill	Optional upgrade to Trimble xFill	No	No	Yes
RTK	Yes	Yes	Yes	Yes	Yes	Yes
RTX	Yes	Yes	Yes	No	Yes	Yes
UHF radio	Receive & Transmit ¹	Receive & Transmit ¹	Receive & Transmit ¹	Receive & Transmit ¹	Receive	Receive & Transmit ¹
Cellular	Yes	Yes	Yes	Yes ¹	External	External
Wi-Fi	Yes	Yes	Yes	No	Yes	No ²

<http://surveypartners.trimble.com>

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	Integrated System					Modular System
	R12i	R12	R12LT	R8s	R2	R9s
Bluetooth	Yes	Yes	Yes	Yes	Yes	Yes
Memory	6 GB	6 GB	6 GB	56 MB	48 MB	52 MB & External ³
Antenna	Integrated	Integrated	Integrated	Integrated	Integrated	External
Web interface	Yes	Yes	Yes	Yes	Yes	Yes
Integrated surveying	Yes	Yes	Yes	Yes	Yes	Yes
GPS	L1C, L1C/A, L2C, L2E, L5	L1C, L1C/A, L2C, L2E, L5	L1C, L1C/A, L2C, L2E, L5	L1C/A, L1C, L2C, L2E, L5	L1, L2	L1C/A, L2C, L2E, L5
GLONASS	L1C/A, L1P, L2C/A, L2P, L3	L1C/A, L1P, L2C/A, L2P, L3	L1C/A, L1P, L2C/A, L2P, L3	L1C/A, L1P, L2C/A, L2P, L3 ¹	L1, L2	L1C/A, L1P, L2C/A, L2P, L3 ¹
Galileo	E1, E5A, E5B, E5 AltBOC, E6	E1, E5A, E5B, E5 AltBOC, E6	E1, E5A, E5B, E5 AltBOC, E6	E1, E5A, E5B ¹	L1, L2	E1, E5A, E5B, E5 AltBOC ¹
BeiDou	B1, B1C, B2, B2A, B2B, B3	B1, B1C, B2, B2A, B2B, B3	B1, B1C, B2, B2A, B2B, B3	B1, B2 ¹	L1, L2	B1, B2 ¹
QZSS	L1C/A, L1S, L1C, L2C, L5, L6	L1C/A, L1S, L1C, L2C, L5, L6	L1C/A, L1S, L1C, L2C, L5, L6	L1C/A, L1S, L1C, L2C, L5	L1, L2	L1C/A, L1S, L1C, L2C, L5
SBAS	Yes: L1C/A, L5	Yes: L1C/A, L5	Yes: L1C/A, L5	Yes: L1C/A, L5	Yes: L1	Yes: L1C/A, L5
Battery	Single, removable	Single, removable	Single, removable	Single, removable	Single, removable	Single, integrated
Field solution	Trimble Access™ (T10, T7, TSC7, TDC600), Trimble DL App, Trimble Penmap® for Android™, Trimble TerraFlex™, Trimble Mobile Manager, Windows®, iOS & Android smart devices	Trimble Access (T10, T7, TSC7, TSC3, TDC600), Trimble DL App, Trimble Penmap® for Android, Trimble TerraFlex, Windows, iOS & Android smart devices	Trimble Access (T10, T7, TSC7, TSC3, TDC600), Trimble DL App, Trimble Penmap® for Android, Trimble TerraFlex, Windows, iOS & Android smart devices	Trimble Access (T10, T7, TSC7, TSC3, TDC600, Slate, or Trimble CU), Trimble DL App, Trimble Penmap for Android, Trimble TerraFlex	Trimble Access (T10, T7, TSC7, TSC3, TDC600, Slate or Trimble CU), Trimble Penmap for Android, Windows, iOS & Android smart devices, Trimble TerraSync™, Trimble TerraFlex, Trimble Positions™ (Geo 7X), Trimble Mobile Manager	Trimble Access (T10, T7, TSC7, TSC3, TDC600, Slate or Trimble CU), Trimble DL App (Android devices), Front Panel

1. Based on configuration 2. Ethernet port 3. USB drive or external hard drive

For more information

For more information, contact your local Trimble representative.