






Product Comparison






TRIMBLE GEOSPATIAL
SEPTEMBER 2023

TRIMBLE DISTRIBUTOR CONFIDENTIAL

TRIMBLE GEOSPATIAL GNSS SYSTEMS

	Integrated System				Modular System
	R12i 	R780 	R580 	R2 	R750 
GNSS surveying	Real-Time (RTK/VRS/RTX) and Post-processed	Real-Time (RTK/VRS/RTX) and Post-processed	Real-Time (RTK/VRS/RTX) and Post-processed	Real-Time (RTK/VRS/RTX) and Post-processed	Real-Time (RTK/VRS/RTX) and Post-processed
Tracking technology	Trimble 360	Trimble 360	Trimble 360	R-Track	Trimble 360
Channels	672	336	336	220	336
Solution type	ProPoint® GNSS	ProPoint GNSS	ProPoint GNSS	Fixed/Float	ProPoint GNSS
Tilt compensation technology	Trimble TIP™, IMU-based, 30°	Trimble TIP™, IMU-based, 30°	No	No	No
Correction outage	Trimble xFill®	Trimble xFill	Trimble xFill	No	Trimble xFill
Trimble RTX®	Yes	Yes	Yes	Yes	Yes
UHF radio	Receive & Transmit ¹	Receive & Transmit ¹	Receive	Receive	External
Cellular	3.5G	External	External	External	4G LTE
Wi-Fi	Yes	Yes	Yes	Yes	Yes
Bluetooth	Yes	Yes	Yes	Yes	Yes

<https://surveypartners.trimble.com>

	Integrated System				Modular System
	R12i 	R780 	R580 	R2 	R750 
Memory	6 GB	9 GB	48 MB	48 MB	8 GB
Antenna	Integrated	Integrated	Integrated	Integrated	External
Web interface	Yes	Yes	Yes	Yes	Yes
Integrated surveying	Yes	Yes	Yes	Yes	Yes
GPS	L1C, L1C/A, L2C, L2E, L5	L1C, L1 C/A, L2E (L2P), L2C, L5	L1C, L1C/A, L2E (L2P), L2C, L5	L1, L2	L1C, 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	L1, L2	L1C/A, L1P, L2C/A, L2P, L3
Galileo	E1, E5A, E5B, E5 AltBOC, E6	E1, E5A, E5B and E5AltBOC, E6	E1, E5A, E5B and E5AltBOC	L1, L2	E1, E5A, E5B, E5 AltBOC, E6
BeiDou	B1, B1C, B2, B2A, B2B, B3	B1, B2, B3, B1C, B2A	B1, B2, B1C, B2A	L1, L2	B1, B1C, B2, B2A, B2B, B3
QZSS	L1C/A, L1S, L1C, L2C, L5, L6	L1 C/A, L1C, L1S, L2C, L5, LEX/L6	L1C/A, L1C, L1S, L2C, L5	L1, L2	L1C/A, L1S, L1C, L2C, L5, L6
NavIC (IRNSS)	L5	L5	L5	No	L5
SBAS	L1C/A, L5	L1 C/A, L5	L1C/A, L5	L1	L1C/A, L5
Battery	Single, removable	Single, removable	Single, removable	Single, removable	Single, integrated
Field solution	Trimble Access™ (T100, T7, TSC7, TSC5, TDC600), Trimble DL App, Trimble Penmap® for Android™, Trimble TerraFlex™, Trimble Mobile Manager, Windows®, iOS & Android smart devices	Trimble Access (T100, T7, TSC7, TSC5, TDC600), Trimble DL App, Windows, iOS & Android smart devices	Trimble Access (T7, TSC7, TSC5, TDC600), Trimble TerraFlex, Trimble Mobile Manager, Windows, iOS & Android smart devices	Trimble Access (T100, T7, TSC7, TDC600, Trimble CU), Trimble TerraFlex, Trimble Mobile Manager, Windows, iOS & Android smart devices	Trimble Access (TSC7, TSC5, T100, T7, TDC600), Front Panel

1. Based on configuration