







Product Comparison


TRIMBLE GEOSPATIAL
JUNE 2024







TRIMBLE DISTRIBUTOR CONFIDENTIAL

TRIMBLE GEOSPATIAL GNSS PORTFOLIO

	Integrated System					Modular System
	R980 	R12i 	R780-2 	R580 	DA2 	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/SBAS)	Real-Time (RTK/VRS/RTX) and Post-processed
Tracking technology	Trimble 360	Trimble 360	Trimble 360	Trimble 360	Catalyst Dynamic Signal Tracking	Trimble 360
Channels	672	672	672	336	Digital Channels	336
Solution type	Trimble ProPoint® GNSS	Trimble ProPoint GNSS	Trimble ProPoint GNSS	Trimble ProPoint GNSS	Trimble ProPoint GNSS	Trimble ProPoint GNSS
Tilt compensation technology	Trimble TIP™, IMU-based, 30°	Trimble TIP, IMU-based, 30°	Trimble TIP™, IMU-based, 30°	No	No	No

<https://surveypartners.trimble.com>

	Integrated System					Modular System
	R980 	R12i 	R780-2 	R580 	DA2 	R750 
Correction outage	Trimble xFill®	Trimble xFill®	Trimble xFill	Trimble xFill	Trimble RTX fallback	Trimble xFill
Ionospheric GNSS signal disruption	Trimble IonoGuard™	Trimble IonoGuard	Trimble IonoGuard	Trimble IonoGuard	Trimble IonoGuard	Trimble IonoGuard
Trimble RTX®	Yes	Yes	Yes	Yes	Yes	Yes
UHF radio	Receive & Transmit ¹ 450/900 MHz	Receive & Transmit ¹ 450 MHz	Receive & Transmit ¹ 450/900 MHz	Receive 450 MHz	External	External 450 MHz
Cellular	4G LTE	3.5G	External	External	External	4G LTE
Wi-Fi	Yes	Yes	Yes	Yes	N/A	Yes
Bluetooth	Yes	Yes	Yes	Yes	Yes	Yes
Memory	9 GB	6 GB	9 GB	256 MB	N/A	8 GB
Antenna	Integrated	Integrated	Integrated	Integrated	Digital	External
Web interface	Yes	Yes	Yes	Yes	N/A	Yes
Integrated surveying	Yes	Yes	Yes	Yes	Yes	Yes
GPS	L1C, L1C/A, L2C, L2E, L5	L1C, L1C/A, L2C, L2E, L5	L1C, L1 C/A, L2E (L2P), L2C, L5	L1C, L1C/A, L2E (L2P), L2C, L5	L1C/A, L2C, L5	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	L1C/A, L1P, L2C/A, L2P, L3	L1C/A, L2C/A	L1C/A, L1P, L2C/A, L2P, L3
Galileo	E1, E5A, E5B, E5 AltBOC, E6	E1, E5A, E5B, E5 AltBOC, E6	E1, E5A, E5B and E5 AltBOC, E6	E1, E5A, E5B and E5 AltBOC	E1, E5A	E1, E5A, E5B, E5 AltBOC, E6
BeiDou	B1, B1C, B2, B2A, B2B, B3	B1, B1C, B2, B2A, B2B, B3	B1, B2, B3, B1C, B2A	B1, B2, B1C, B2A	B1, B2A	B1, B1C, B2, B2A, B2B, B3
QZSS	L1C/A, L1S, L1C, L2C, L5, L6	L1C/A, L1S, L1C, L2C, L5, L6	L1 C/A, L1C, L1S, L2C, L5, LEX/L6	L1C/A, L1C, L1S, L2C, L5	L1C/A, L2C, L5	L1C/A, L1S, L1C, L2C, L5, L6
NavIC (IRNSS)	L5	L5	L5	L5	L5	L5
SBAS	L1C/A, L5	L1C/A, L5	L1 C/A, L5	L1C/A, L5	L1C/A, L5	L1C/A, L5
Battery	Single, removable	Single, removable	Single, removable	Single, removable	External battery	Single, integrated

	Integrated System					Modular System
	R980 	R12i 	R780-2 	R580 	DA2 	R750 
Field solution	Trimble Access™ (T100, T7, TSC7, TSC5, TDC6), Trimble DL App, Trimble Penmap® for Android™, Trimble TerraFlex®, Trimble Mobile Manager, Windows®, iOS & Android smart devices	Trimble Access (T100, T7, TSC7, TSC5, TDC6), Trimble DL App, Trimble Penmap for Android, Trimble TerraFlex, Trimble Mobile Manager, Windows, iOS & Android smart devices	Trimble Access (T100, T7, TSC7, TSC5, TDC6), Trimble DL App, Windows and Android smart devices	Trimble Access (T7, TSC7, TSC5, TDC6), Trimble TerraFlex, Trimble Mobile Manager, Windows, iOS & Android smart devices	Trimble Access (TSC7, TSC5, T100, T10, T7, TDC6), Trimble Penmap for Android, Trimble TerraFlex, Trimble Mobile Manager, Windows, iOS & Android smart devices	Trimble Access (TSC7, TSC5, T100, T7, TDC6), Front Panel

1. Based on configuration