

Mobile Device Comparison

	Juniper Allegro 2	Trimble Juno 3B/3D	Trimble Nomad 1050	Juniper Archer 2	Trimble Juno 5B/5D	Trimble GeoExplorer 7 Series	Juniper Mesa	Juniper Mesa 2	Trimble Yuma 2
Processor	1.0GHz ARM Cortex A8 i.MX53	800 Mhz /1 GHz (5B/5D)	1.0 GHz, TI DM3730	1.0GHz ARM Cortex A8 i.MX53	800 Mhz(5B) /1 GHz(5D and 5B/5D Enhanced)	1.0 GHz OMAP DM3730	806 MHz PXA320	Quad-core Intel® Atom™ Z3745	Intel® Atom 1.6 GHz
Operating System	Windows Embedded 6.5.3	Windows Embedded 6.5	Windows Embedded 6.5	Windows Embedded 6.5.3	Windows Embedded 6.5 or Android 2.3.4	Windows Mobile 6.5	Windows Mobile 6.5.3	Windows 8.1 or 10	Windows 7 Professional
Memory (RAM)	512 MB RAM	256 MB RAM	512 MB Ram	512 MB RAM	512 MB RAM	256 MB RAM	256 MB RAM	4 GB	4 GB RAM
Non-volatile Storage	8 GB	2 GB	8 GB	8 GB	8GB(5B)/ 16GB(5D)/ 32 GB (5B/5D Enhanced)	4 GB	4 GB	64 or 128 GB	64 to128 GB
Expansion Slot	SD/SDHC	MicroSD/SDHC	Micro SD/SDHC	Micro SD/SDHC	MicroSD	SD	SD	MicroSDXC	USB
Size	5.4" x 10.2"	5.43" x 3.11"	6.93"x3.94	7.25" x 3.6"	6.1" x 3.2" (Regular) 8.26"x3.2" (Enhanced)	9.2" x 3.9"	5.3" x 8.6"	5.40"x8.48"	9.6" x 6.3"
Weight	2 lbs.	0.69 lbs.	1.3 lbs.	1.3 lbs.	0.84 lb (Regular)- 1.21 lb (Enhanced)	2.38 lbs.	2.2 lbs.	1.5-2 lbs.	2.6 lbs.
Operating Temp (°F)	-22 to 140° F	-4 °F to 140 °F	-22 to 140° F	-22F to 140F	-22 to 140° F	-4 to 140° F	-22 to 140° F	-4 to 122° F	-22 to 144° F
Water and Dust Resistant	Waterproof and Dustproof, IP68	Resistant to dust and water, IP54	Submersible and Dustproof, IP68	Waterproof and Dustproof, IP68	Dustproof, resistant to heavy, wind-driven rain, IP65	Dustproof, resistant to heavy, wind-driven rain, IP65	Waterproof and Dustproof, IP67	Waterproof and Dustproof, IP68	Waterproof and Dustproof, IP65
Shock/Drop	Multiple drops from 4 ft. onto concrete	Withstands drops up to 4 ft. to plywood over concrete	Withstands drops up to 4 ft. to hard surface	Multiple drops from 5 ft. onto concrete	Up to 4 ft.	Withstands drops up to 4 ft. to hard surface	Multiple drops 4 ft. to hard surface	Multiple drops 4 ft. to hard surface	Withstands drops 4 ft. to hard surface
Display (Res.)	640 x 480 TFT VGA Capacitive	240 x 320 QVGA Resistive	480 x 640 Resistive	800 x 480 Capacitive	480 x 800 Capacitive	480 x 640 Resistive	640 x 480 Resistive	1280x800 Capacitive	1024 x 600 Capacitive
Viewing Area	4.2" diagonal	3.5" diagonal	3.5" diagonal	4.3" diagonal	4.3" diagonal	4.2" diagonal	5.7" diagonal	7" diagonal	7" diagonal
Keyboard	Yes	No	Numeric	Numeric	No	No	No	No	Optional
Battery	106000 mAh Lithium-ion	3060 mAh Lithium-ion	5200 mAh Lithium-ion, optional AA module	Lithium-ion	11.1 V, 2500 mAh, 27.8 Wh Lithium-ion	Lithium-ion, 11.1V 2.5 AH	Dual 2550 mAh Lithium-ion	39Whr Lithium-Ion	Two smart battery 7.5V
Battery Usage	20 hours	10 hours	15 hours	20 hours	Low, no GPS 14 hrs, Normal, GPS on 8 hrs	10 hours	16 hours	8-10 hours	8 hours
USB	Client/Host	Yes	Yes	Client/Host	Yes	Yes	Client/Host	Yes	Yes
9-pin RS-232 serial	Yes	No	Optional	Yes	No	With optional USB adapter	Yes	Optional	No
Integrated Bluetooth®	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Integrated Wi-Fi	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cell Modem	Optional	Optional (3D only)	Optional	Optional	Optional (5D only)	Optional	Optional	Optional	No
Docking Cradle	Optional	No	Optional	No	Optional	No	Optional	Optional	Optional
Integrated camera	5 megapixel	5 megapixel (flash on 3D only)	5 megapixel	5 megapixel (optional)	8 megapixel with LED flash	5 megapixel	3.2 megapixel	2 megapixel front 8 megapixel rear with LED illumination	5 megapixel with LED flash
Integrated GPS	Optional	Yes	Yes	Optional	Yes	Yes	Optional	Optional	Yes
Integrated Barcode Scanner	No	No	Optional	Optional	Optional	No	No	Optional	No
Integrated Laser Rangefinder	No	No	No	No	No	Optional	No	No	No

	Trimble Kenai	Mobile Demand xTablet T7200	Mobile Demand xTablet T1200	Mobile Demand xTablet T1500	Mobile Demand xTablet T1600	Mobile Demand xTablet T8500	Cedar Tree CT7 Tablet	Cedar Tree CT4
Processor	Intel BayTrail-I Atom E3826 1.46GHz dual core	Intel Atom Z530P 1.6 or 1.8 GHz	Intel® i5-3337U 1.8 GHz	Intel® Quad Core Z3735F; 1.33GHz	Intel® Core i5-5200U	Intel® Quad Core Z3735F; 1.33-1.86GHz	Qualcomm MSM8625Q, 1.2GHz, Quad Core	MYK6589, 1.2Ghz, Quad Core
Operating System	Windows 10 Professional	Windows 7 Professional 32-bit	Windows 7 Professional 32-bit, 64-bit or Windows 8 Professional 32-bit, 64-bit	Windows 10 Professional or Home Edition 32-Bit	Windows 10 Professional or Windows 8.1 Professional 64-Bit or Windows 7 Professional 32-Bit	Windows 10 Professional or Home Edition 32-Bit	Android OS 4.1.2	Android OS 4.2
Memory (RAM)	4 or 8 GB	2 GB RAM	16 GB RAM	2 GB	4GB or 8GB	2 GB	1 GB Ram	1 GB Ram
Non-volatile Storage	64, 128, or 256 GB	32 GB to 128 GB	64 GB or 128 GB	64 GB	64 GB or 512 GB	64 GB	16 GB ROM	4 GB
Expansion Slot	USB	SD	SD/ SDHC	Micro USB 2.0, USB 2.0, micro SD, mini HDMI	Micro SD, USB 3.0	Micro USB, USB 2.0, micro SD, mini HDMI	micro SD/SDHC	micro SD/SDHC
Size	11.7"x 8.1"	8.5" w x 5.7" h	11.24"w x 8.73"h	10.55"W x 7.4" H	11.75" W x 7.55" H	8.62" W x 5.74" H	213mm x 141mm x 17.75mm	146 x 78 x 21 mm
Weight	3.5 lbs.	2.5 lbs.	4.8 lbs.	2.3 lbs.	2.7 lbs.	1.39 lbs.	1.35 lbs.	0.60 lbs.
Operating Temp (°F)	-22 to 144° F	-4 to 140° F	-4 to 140° F	-4 to 140° F	14 to 131° F	-4 to 140° F	-4 to 149° F	-4 to 149° F
Water and Dust Resistant	Waterproof and Dustproof, IP65	Waterproof and Dustproof, IP65	Waterproof and Dustproof, IP65	Waterproof and Dustproof, IP65	Waterproof and Dustproof, IP65	Waterproof and Dustproof, IP67	Waterproof and Dustproof, IP67	IP68: Waterproof, Dustproof, Shockproof
Shock/Drop	Withstands drops 4 ft. to hard surface	Multiple drops to plywood over concrete from 5 ft.	Multiple drops to plywood over concrete from 5 ft.	Multiple drops to plywood over concrete from 4 ft.	Multiple drops to plywood over concrete from 4 ft.	Multiple drops to plywood over concrete from 4 ft.	Six drops to plywood over concrete from 4 ft.	Six drops to plywood over concrete from 4 ft.
Display (Res.)	1920x1200 Capacitive	1024 x 600 Resistive	1024 x 768 Resistive	1280 x 800 Capacitive	1366 x 768 Capacitive	1280 x 800 Capacitive	1280x800 Capacitive	960x540 Capacitive
Viewing Area	10.1" diagonal	7" diagonal	10.4" diagonal	10.1" diagonal	11.6" diagonal	8" diagonal	7"	4.3"
Keyboard	Optional	Optional	Numeric	No	No	No	No	No
Battery	10.8V 4.5mAh, 49Whr	5200 Ah, 7.2V, 37.44wh	5200mAh, 11.1V, 57.72Whr	3.7V, 10000mAh, 37Wh	45Wh, 11.1V, 4130 mAh	3.7V, 8300mAh, 37Wh	Intelligent Li-Ion battery 3.7 VDC@7000mAh, 38.7 Whr	Intelligent Li-Ion battery, 3000mAh
Battery Usage	Up to 5 hours	Up to 10 hours	Up to 11.5 hours	6-8 hours	8 hours	8 hours	Up to 20 hours	7 hours talk, 360 hours standby
USB	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
9-pin RS-232 serial	Yes	Optional	Yes	No	Yes	No	No	No
Integrated Bluetooth®	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Integrated Wi-Fi	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Cell Modem	Optional	4G, LTE, 3G GOBI	4G, LTE	No	Optional	No	3G/3.75G	3G
Docking Cradle	Optional	Optional	Optional	Optional	Optional	Optional	No	No
Integrated camera	8 megapixel with LED flash	5 megapixel with LED flash	5 megapixel rear, 1.3 megapixel front	5 megapixel rear, 2 megapixel front	5 megapixel rear	5 megapixel rear, 2 megapixel front	8 megapixel rear, 2 megapixel front	8MP Rear, 1.3MP Front
Integrated GPS	Yes	Optional	Optional	Yes	Optional	Yes	Yes	Yes
Integrated Barcode Scanner	No	No	No	Optional	Optional	Optional	No	No
Integrated Laser Rangefinder	No	No	No	No	No	No	No	No