

Windows CE Comparisons

	Juniper Allegro 2	Trimble Juno 3B/3D	Trimble Nomad 900G	Juniper Archer 2	Trimble Geo 5T
Processor	1.0GHz ARM Cortex A8 i.MX53	800 Mhz /1 GHz (5B/5D)	806 MHz XScale	1.0GHz ARM Cortex A8 i.MX53	Marvell® PXA 320
Operating System	Windows Embedded 6.5.3	Windows Embedded 6.5	Windows Mobile 6.1	Windows Embedded 6.5.3	Windows Embedded 6.5
Memory (RAM)	512 MB RAM	256 MB RAM	128 MB RAM	512 MB RAM	256 MB RAM
Non-volatile Storage	8 GB	2 GB	6 GB	8 GB	2 GB
Expansion Slot	SD/SDHC	MicroSD/SDHC	SD, CF Optional	Micro SD/SDHC	SD
Size	5.4" x 10.2"	5.43" x 3.11"	6.92" x 3.92"	7.25" x 3.6"	7.5" x 3.5"
Weight	2 lbs.	0.69 lbs.	1.2 lbs.	1.3 lbs.	1.41 lb
Operating Temp (°F)	-22 to 140° F	-4 °F to 140 °F	-22 to 140° F	-22F to 140F	-4 to 140° F
Water and Dust Resistant	Waterproof and Dustproof, IP68	Resistant to dust and water, IP54	Submersible and Dustproof, IP68	Waterproof and Dustproof, IP68	Waterproof and Dustproof, IP54
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	Multiple 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	240 x 320 Resistive
Viewing Area	4.2" diagonal	3.5" diagonal	3.5" diagonal	4.3" diagonal	3.5" diagonal
Keyboard	Yes	No	Numeric	Numeric	No
Battery	106000 mAh Lithium-ion	3060 mAh Lithium-ion	5000 mAh Lithium-ion, optional AA module	Lithium-ion	3.6 V, 6.6 Ah Lithium-ion
Battery Usage	20 hours	10 hours	15 hours	20 hours	8 hours
USB	Client/Host	Yes	Yes	Client/Host	On docking cradle
9-pin RS-232 serial	Yes	No	Yes	Yes	Yes
Integrated Bluetooth®	Yes	Yes	Yes	Yes	Yes
Integrated Wi-Fi	Yes	Yes	Yes	Yes	No
Cell Modem	Optional	Optional (3D only)	Optional	Optional	Optional
Docking Cradle	Optional	No	No	No	Yes
Integrated camera	5 megapixel	5 megapixel (flash on 3D only)	2 megapixel (optional)	5 megapixel (optional)	3 megapixel
Integrated GPS	Optional	Yes	Yes	Optional	Yes
Integrated Barcode Scanner	No	No	Optional	Optional	No
Integrated Laser Rangefinder	No	No	No	No	No

	Trimble Juno 5B/5D	Trimble GeoExplorer 6000/7 Series	Juniper Mesa	Trimble Yuma 2	Mobile Demand xTablet T7200	Mobile Demand xTablet T1200
Processor	800 Mhz(5B) /1 GHz(5D and 5B/5D Enhanced)	600 MHz TI OMAP 3503/ 1.0 GHz OMAP DM3730	806 MHz PXA320	Intel® Atom 1.6 GHz	Intel Atom Z530P 1.6 or 1.8 GHz	Intel® i5-3337U 1.8 GHz
Operating System	Windows Embedded 6.5 or Android 2.3.4	Windows Mobile 6.5	Windows Mobile 6.5.3	Windows 7 Professional	Windows 7 Professional 32-bit	Windows 7 Professional 32-bit, 64-bit or Windows 8 Professional 32-bit, 64-bit
Memory (RAM)	512 MB RAM	256 MB RAM	256 MB RAM	4 GB RAM	2 GB RAM	16 GB RAM
Non-volatile Storage	8GB(5B)/ 16GB(5D)/ 32 GB (5B/5D Enhanced)	2 GB/4 GB	4 GB	64 to 128 GB	32 GB to 128 GB	64 GB or 128 GB
Expansion Slot	MicroSD	SD	SD	USB	SD	SD/ SDHC
Size	6.1" x 3.2"(Regular) 8.26"x3.2"(Enhanced)	9.2" x 3.9"	5.3" x 8.6"	9.6" x 6.3"	8.5" w x 5.7" h	11.24" w x 8.73" h
Weight	0.84 lb (Regular)- 1.21 lb (Enhanced)	2 lbs./ 2.38 lbs.	2.2 lbs.	2.6 lbs.	2.5 lbs.	4.8 lbs.
Operating Temp (°F)	-22 to 140° F	-4 to 140° F	-22 to 140° F	-22 to 144° F	-4 to 140° F	-4 to 140° F
Water and Dust Resistant	Dustproof, resistant to heavy, wind-driven rain, IP65	Dustproof, resistant to heavy, wind-driven rain, IP65	Waterproof and Dustproof, IP67	Waterproof and Dustproof, IP65	Waterproof and Dustproof, IP65	Waterproof and Dustproof, IP65
Shock/Drop	Up to 4 ft.	Withstands drops up to 4 ft. to hard surface	Multiple drops 4 ft. to hard surface	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.
Display (Res.)	480 x 800 Capacitive	480 x 640 Resistive	640 x 480 Resistive	1024 x 600 Capacitive	1024 x 600 Resistive	1024 x 768 Resistive
Viewing Area	4.3" diagonal	4.2" diagonal	5.7" diagonal	7" diagonal	7" diagonal	10.4" diagonal
Keyboard	No	No	No	Optional	Optional	Numeric
Battery	11.1 V, 2500 mAh, 27.8 Wh Lithium-ion	Lithium-ion, 11.1V 2.5 AH	Dual 2550 mAh Lithium-ion	Two smart battery 7.5V	5200 Ah, 7.2V, 37.44wh	5200mAh, 11.1V, 57.72Whr
Battery Usage	Low, no GPS 14 hrs, Normal, GPS on 8 hrs	10 hours	16 hours	8 hours	Up to 10 hours	Up to 11.5 hours
USB	Yes	Yes	Client/Host	Yes	Yes	Yes
9-pin RS-232 serial	No	With optional USB adapter	Yes	No	Optional	Yes
Integrated Bluetooth®	Yes	Yes	Yes	Yes	Yes	Yes
Integrated Wi-Fi	Yes	Yes	Yes	Yes	Yes	Yes
Cell Modem	Optional (5D only)	Optional/ Yes	Optional	No	4G, LTE, 3G GOBI	4G, LTE
Docking Cradle	Optional	No	Optional	Optional	Optional	Optional
Integrated camera	8 megapixel with LED flash	5 megapixel	3.2 megapixel	5 megapixel with LED flash	5 megapixel with LED flash	5 megapixel rear, 1.3 megapixel front
Integrated GPS	Yes	Yes	Optional	Yes	Optional	Optional
Integrated Barcode Scanner	Optional	No	No	No	No	No
Integrated Laser Rangefinder	No	No/Yes	No	No	No	No

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P.O. Box 31 • Jerome, ID 83338 • Ph: 1 208-324-8006 • Fax: 1 208-324-8015 • www.elecddata.com

