

# Windows CE Computer Comparison



**Juniper  
Allegro  
MX**



**Trimble  
Ranger**



**Trimble  
Nomad G  
Series**



**Juniper  
Archer**



**Trimble  
Recon**

	Juniper Allegro MX	Trimble Ranger	Trimble Nomad G Series	Juniper Archer	Trimble Recon
<b>Processor</b>	PXA270, 624 MHz	XScale, 516 MHz	XScale, 806 MHz	XScale, 520 MHz	XScale, 400 MHz
<b>Operating System</b>	Windows Mobile 6.1	Windows Mobile 5	Windows Mobile 6	Windows Mobile 5	Windows Mobile 6
<b>Memory / Storage</b>	128 MB RAM	128 MB RAM	128 MB RAM	128 MB RAM	64 MB RAM
<b>Non-volatile Storage</b>	1 or 2 GB	512 MB	6 GB	256 MB/512 MB Option	256 MB
<b>Expansion Slot</b>	PCMCIA, Micro SD	Two CF, SD	SD, CF Optional	CF, SD	Two CF
<b>Size</b>	10" x 5.25"	10.5" x 5.2"	6.92" x 3.92"	6.5" x 3.5"	8.85" x 3.75"
<b>Weight</b>	1.8 lbs	2.1 lbs	1.23 lbs	17 oz	1.28 lbs
<b>Operating Temp (°F)</b>	-22 – 130° F	-22 – 140° F	-22 – 140° F	-22 – 122° F	14 – 122° F
<b>Water and Dust Resistant</b>	Waterproof and Dustproof, IP67	Yes, accidental immersion, IP67	Yes, accidental immersion, IP67	Waterproof and Dustproof, IP67	Waterproof and Dustproof, IP67
<b>Shockproof to</b>	Withstands drops up to 5 ft. to hard surface	Withstands drops up to 4 ft. to hard surface	Withstands drops up to 4 ft. to hard surface	Withstands drops up to 5 ft. to hard surface	Withstands drops up to 4 ft. to hard surface
<b>Display (Res.)</b>	320 x 240	320 x 240	480 x 640	240 x 320	240 x 320
<b>Viewing Area</b>	3.8" or 4.1" diagonal	3.1" x 2.5"	2.25" x 3.0"	2.25" x 3.0"	2.25" x 3.0"
<b>Color Screen</b>	Optional	Yes	Yes	Yes	Yes
<b>Display Light</b>	Yes	Yes	Yes	Yes	Yes
<b>Display Heater</b>	Yes	No	No	No	No
<b>Keyboard</b>	Yes	Yes	Numeric	No	No
<b>Battery</b>	NiMH, 4000mAh	6600 mAh Lithium-ion	5200 mAh Lithium-ion	Lithium-ion	NiMH, 3000mAh
<b>Battery Usage</b>	10-20 hours	10-20 hours	15+ hours	20+ hours	3-30 hours
<b>Communication Ports</b>	9 Pin RS-232, USB host/slave, 802.11 b/g	9 Pin RS-232, USB host/slave, 802.11 b/g	9 Pin RS-232 (optional) USB host/slave, 802.11 b/g Cell modem (optional)	9 Pin RS-232, USB host/slave, cell modem	9 Pin RS-232, USB, 802.11 b/g
<b>Integrated BT/WiFi</b>	Yes/Yes	Yes/Yes	Yes/Yes	Optional/No	Yes/Yes
<b>Docking Cradle</b>	Optional	No	No	Optional	No
<b>Integrated camera</b>	No	No	2 megapixel (optional)	No	No

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**Cont.**



# Windows CE Computer Comparison Cont.



**Trimble  
Geo Explorer  
2008 Series**



**Trimble  
Juno  
SB/SC/SD**



**Juniper  
Mesa**



**Trimble  
Yuma**



**iX104C2  
Rugged  
Tablet PC**

	Trimble Geo Explorer 2008 Series	Trimble Juno SB/SC/SD	Juniper Mesa	Trimble Yuma	iX104C2 Rugged Tablet PC
<b>Processor</b>	XScale, 520 MHz	Samsung 533 MHz	PXA320 806 MHz	Intel Atom 1.6 GHz	Intel Pentium 1.1 GHz
<b>Operating System</b>	Windows Mobile 6	Windows Mobile 6.1	Windows Mobile 6.5.3	Windows Vista	Windows XP, Tablet Edition
<b>Memory / Storage</b>	128 MB RAM	128 MB RAM	256 MB RAM	1 GB RAM	256 MB RAM (512 MB option)
<b>Non-volatile Storage</b>	1 GB	128 MB	4 GB	32 GB	40 GB (80 GB option)
<b>Expansion Slot</b>	SD	Micro SD	SD/SDHC	SD, 34 mm Express Card	None
<b>Size</b>	8.5" x 3.9"	5.1" x 2.9"	8.6" x 5.3"	5.5" x 9"	11.2" x 8.25"
<b>Weight</b>	1.76 lbs	0.52 lbs	2 lbs	2.6 lbs	4.45 lbs
<b>Operating Temp (°F)</b>	-4 – 140° F	32 – 140° F	-4 – 122° F	-22 – 140° F	-4 – 140° F
<b>Water and Dust Resistant</b>	Yes, IP65	No, Otterbox optional	Waterproof and Dustproof, IP67	Waterproof and Dustproof, IP67	Yes, accidental immersion up to 30cm for 30 minutes
<b>Shockproof to</b>	Shock and Vibration resistant	Withstands drops up to 2.5 ft. at ambient temps	Withstands drops up to 4 ft. to hard surfaces	Withstands drops up to 4 ft. to hard surfaces	Withstands drops up to 4 ft. to hard surface
<b>Display (Res.)</b>	480 x 640	240 x 320	640 x 480	1024 x 600	1024 x 768
<b>Viewing Area</b>	2.25" x 3.0"	3.5" diagonal	5.7" diagonal	7" diagonal	10.4" diagonal
<b>Color Screen</b>	Yes	Yes	Yes	Yes	Yes
<b>Display Light</b>	Yes	Yes	Yes	Yes	Yes
<b>Display Heater</b>	No	No	No	No	No
<b>Keyboard</b>	No	No	No	No	No
<b>Battery</b>	7500 mAh Lithium-ion	2600 mAh Lithium-ion	2550 mAh Lithium-ion	Dual Lithium-ion 2600mAh (5100 mAh optional)	Dual 5700 mAh Lithium-ion, optional 7600 mAh
<b>Battery Usage</b>	8-21 hours	8-14 hours	16 hours	8+ hours	3-5 hours
<b>Communication Ports</b>	Optional RS-232, 802.11 b/g	USB slave, 802.11b/g, cell modem on SC/SD only	9-pin RS 232, USB host, USB client, 802.11b/g	9-pin RS 232, USB, 802.11b/g,	2 USB, 15-pin D-SUB, modem optional
<b>Integrated BT/WiFi</b>	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Optional/Yes
<b>Docking Cradle</b>	Yes	No	Optional	Optional	Optional
<b>Integrated camera</b>	No	3 megapixel	3.2 megapixel, autofocus	2 and 1.3 megapixel	No

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