2025 LandMark Spatial Solutions Windows Mobile/Windows Handheld Matrix

	F4 Devices Used Flint S812H	F4 Devices Forge 912	Handhelds Used Nautiz X8	F4 Devices Forge 912 ECHO	Juniper Systems Mesa 4 Geo
	50% off while quantities last	25% off while quantities last	15% off while quantities last	25% off while quantities last	
Pros:	Lowest Price, Small Size, Lightest, Good GPS	Good Numeric Keypad, Good GPS	Big screen, fast processor, tons of RAM, Numeric Keypad	Good Numeric Keypad, Good GPS, Echo Location for borderline tree measurement	Windows 11, 7" bringht screen, GPS + Glonass, Fastest Processor, Most Memory
Cons:	Screen not as sensitive; sluggish operation	Slower operation, Locks up, no more replcement batteries	Screen is sensitive to excess rain or sweat, but Rain Mode helps.	Slower operation, Locks up, no more replcement batteries	none
Price:	~~$1299~~ $650	~~$1299~~ $975	~~$1399~~ $1189	~~$1699~~ $1275	$2,915
Processor:	800 MHz	800 MHz	1.5GHz, dual core	800 MHz	Quad-core Intel® Pentium N4200 processor
Internal Memory	2 GB Non-volatile Flash	8 GB Non-volatile Flash	4 GB Non-volatile flash	8 GB Non-volatile Flash	128 GB Non-volatile flash
RAM	256MB	512MB	1 GB	512MB	16 GB
Display Size/Type	3.5" Color LCD Transmissive, 480x640 Full VGA , resistive touch	3.5" Color LCD Transmissive, 480x640 Full VGA , resistive touch	4.7" FWVGA capacitive touch display, chemically strengthened glass	3.5" Color LCD Transmissive, 480x640 Full VGA , , resistive touch	7" WXGA LCD (1280 x 800) High visibility backlit LCD, Scratch-resistant , capacitive touch
Camera:	5MP Auto focus	5MP Auto focus	8 megapixel camera with autofocus and LED flash	5MP Auto focus	8MP rear, 2 MP front, geotagging, autofocus
IP Rating:	IP65	IP 67	IP 67	IP67 with Plug, 65 without	IP 68
Standard Warranty:	2 years	6 Month	1 Year	6 Month	2 years
Extended Warranty:	No		$329 for 3 years - Includes Accidents		$390 for 2 years
Battery	$395 for 2 years	Li-Ion 11.1v, 3800mAH	Li-Ion 11.1 V, 2500 mAh	Li-Ion 11.1v, 3800mAH	Li-Ion 43.2 WHr
AC charge time:	Li-Ion 3.7v, 2600mAH	4 hours	4 hours	4 hours	2 -4 hours
Battery life:	4 hours	9-11 hours	12 hours	9-11 hours	8-10 or 15-16 hours
GPS Receiver Type	8-10 hours	UBLOX 52 channel L1, C/A Code	UBLOX	UBLOX 52 channel L1, C/A Code	Ublox Neo M8 72 channel High-sensitivity GPS/GLONASS receiver - L1, C/A code
SBAS:	UBLOX 52 channel L1, C/A Code	WAAS, EGNOS, MSAS, GAGAN	WAAS, EGNOS	WAAS, EGNOS, MSAS, GAGAN	WAAS, EGNOS, Beidou, Galileo
Accuracy (Autonomous)	WAAS, EGNOS, MSAS, GAGAN	1-3 meters	1-3 meters	1-3 meters	2-4 meters
Accuracy with SBAS (Open Sky):	1-3 meters	1-3 meters	1-3 meters	1-3 meters	2-4 meters
GPS Filtering	1-2 meters	Yes	Yes	Yes	Yes
Echo Location:	Yes	No	No	Yes	No
Intergrated Scanner:	No	No	No	No	No
G-Sensor Height Measurement:	No	No	Yes	Yes	No
Measurements (in):	No	7.9 in x 3.7 in x1.7 in	7.5 in x 3.1 in x 1.3 in	7.9 in x 3.7 in x1.7 in	8.48 in x 5.4 in x 1.36 in
Weight (oz):	5.5 in x 3.2 in x 1.3 in	15.6 oz	17.3 oz	15.6 oz	24-32 oz
Ports:	8 oz	MiniUSB, headphone jack, 9 pin Serial, charging	Micro USB, USB Host, 9 pin Serial, headphone	MiniUSB, headphone jack, 9 pin Serial, charging	USB 3.0 Host, headphone, 9 pin Serial option,
Additional memory	MiniUSB, headphone jack	MicroSD Card up to 32GB	MicroSD Card	MicroSD Card up to 32GB	MicroSD Card
802.11	MicroSD Card up to 32GB	802.11 b/g 54 Mb/s	802.11 b/g/n	802.11 b/g 54 Mb/s	802.11b/g/n with extended range wifi and BT
Integrated Scannerr	802.11 b/g 54 Mb/s	No	No	No	No
Bluetooth:	Class II, v2.1 EDR	Class II, v2.1 EDR	Class 2.1 with Enhanced Data Rate	Class II, v2.1 EDR	Class 1.5, v 2.1 EDR
Operating System:	Windows Mobile 6.5 Classic	Windows Embedded Handheld 6.5	Windows Embedded Handheld 6.5 or Android	Windows Embedded Handheld 6.5	Windows 10 or Android 5.1
Operating Temp.:	-4 to 140F	-4 to 140 ºF	-22 ºF to 140 ºF	-4 to 140 ºF	-4 F to 122 F