












2018 LandMark Spatial Solutions Mapping Grade Handheld Matrix

			 10% Discount Price								 20% off while quantities last
Pros:	Good Numeric Keypad, Good GPS	Smallest, Lightest, Great GPS + Glonass	Big screen, fast processor, tons of RAM, Numeric Keypad, Best Warranty	Small size, Bigger Screen, Gorilla Glass Screen, Very Rugged	Newer model of proven technology.	Good Numeric Keypad, Good GPS, Echo Location for borderline tree measurement	Newer model of proven technology.	Numeric Keypad, Big Screen, Brightest Screen, GPS + Glonass, 20 hr battery, Fast Processor, Very Rugged	Windows 10, 7" bright screen, GPS + Glonass, Fastest Porcessor, Most Memory	Most Accurate GPS , Big Screen, Fast Processor, Gorilla Glass Screen, Most Memory, Very Rugged	
Cons:	Slower operation, Locks up	Least Rugged	Screen is sensitive to excess rain or sweat, but Rain Mode helps.	Least accurate GPS	Extenal Bluetooth GPS under Extended Cap	Slower operation, Locks Up	Internal GPS is not very accurate under canopy.	none	none	No numeric or directional keys.	
Price:	\$1,299	\$1,349	\$1,399	\$1,499	\$1,699	\$1,699	\$1,899	\$1,995	\$1,995	\$2599 \$2079	
Processor:	800 MHz	1 GHz	1.5GHz, dual core	800 MHz	1 GHz, Texas Instruments DM3730	800 MHz	1 GHz, Texas Instruments DM3730	1.0GHz ARM Cortex A8 i.MX53 processor	Quad-core Intel® Atom™ Z3745 processor	1 GHz, Texas Instruments DM3730	
Internal Memory	8 GB Non-volatile Flash	6 GB Non-volatile Flash	4 GB Non-volatile flash	8 GB Non-volatile flash	8 GB Non-volatile Flash	8 GB Non-volatile Flash	8 GB Non-volatile Flash	8 GB Non-volatile flash	64/128 GB Non-volatile flash	32 GB Non-volatile flash	
RAM	512MB	512MB	1 GB	512MB	512MB	512MB	512MB	512MB	4 GB	512MB	
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	4.3" WVGA sunlight-readable Corning® Gorilla® Glass display	3.5" Color Full VGA , resistive touch	3.5" Color LCD Transmissive, 480x640 Full VGA , , resistive touch	3.5" Color Full VGA , , resistive touch	4.3" WVGA LCD TFT (800x480) High visibility backlit LCD, Scratch-resistant , capacitive touch	7" WXGA LCD (1280 x 800) High visibility backlit LCD, Scratch-resistant , capacitive touch	4.3" WVGA sunlight-readable Corning® Gorilla® Glass display, capacitive touch	
Camera:	SMP Auto focus	SMP Auto focus	8 megapixel camera with autofocus and LED flash	8 megapixel camera with geo-tagging and dual LED flash	None	SMP Auto focus	None	SMP autofocus	8MP rear, 2 MP front, geotagging, autofocus	8 MP camera with geo-tagging and dual LED flash	
IP Rating:	IP 67	IP 65	IP 67	IP 68	IP 68	IP67 with Plug, 65 without	IP 68	IP 68	IP 68	IP 68	
Standard Warranty:	2 years	2 years	1 Year	2 Years	1 Year	2 years	2 years	2 years	2 years	2 years	
No Down Time Warranty:	Yes	Yes	No	No	No	Yes	No	No	No	No	
Extended Warranty:	\$595 for 2 years		\$329 for 3 years - Includes Accidents	\$487	\$438 for 2 years	\$775 for 2 years	\$438 for 2 years	\$390 for 2 years	\$390 for 2 years	\$487 for 2 years	
Battery	Li-Ion 11.1v, 3800MAH	Li-Ion 11.1v, 2600MAH	Li-Ion 11.1 V, 2500 mAh	Li-Ion 11.1 V, 2500 mAh	Li-Ion, 5200 mAh	Li-Ion 11.1v, 3800MAH	Li-Ion, 5200mAh	Li-Ion 3.7VDC 10600mAh	Li-Ion 43.2 WHr	Li-Ion 11.1 V, 2500 mAh	
AC charge time:	4 hours	4 hours	4 hours	4 hours	4 hours	4 hours	4 hours	2-4 hours	2-4 hours	4 hours	
Battery life:	9-11 hours	9-11 hours	12 hours	8-10 hours	15 hours	9-11 hours	15 hours	up to 20 hours	8-10 or 15-16 hours	8-10 hours	
GPS Receiver Type	UBLOX 52 channel L1, C/A Code		UBLOX	UBLOX L1, C/A Code	MTK MT3329, 66 channel L1, C/A Code	UBLOX 52 channel L1, C/A Code	MTK MT3329, 66 channel L1, C/A Code	NVS Tech NVS08C 32 channel High-sensitivity GPS/GLONASS receiver - L1, C/A code	Ublox Neo M8 72 channel High-sensitivity GPS/GLONASS receiver - L1, C/A code	UBLOX L1, C/A Code, with Additional Ground Plane Antenna	
SBAS:	WAAS, EGNOS, MSAS, GAGAN		WAAS, EGNOS	WAAS, EGNOS	WAAS, EGNOS	WAAS, EGNOS, MSAS, GAGAN	WAAS, EGNOS	WAAS, EGNOS	WAAS, EGNOS, Beidou, Galileo	WAAS, EGNOS	
Accuracy (Autonomous)	1-3 meters	1-3 meters	1-3 meters	2-5 meters	>3 meters	1-3 meters	>3 meters	2-4 meters	2-4 meters	1-3 meters	
Accuracy with SBAS (Open Sky):	1-3 meters	1-2 meters	1-3 meters	2-4 meters	>3 meters	1-3 meters	>3 meters	2-4 meters	2-4 meters	1-2 meters	
GPS Filtering	Yes	Yes	Yes	N/A	None	Yes	None	Yes	Yes	N/A	
Echo Location:	No	No	No	No	No	Yes	No	No	No	No	
Intergrated 1D or 2 D Laser Scanner:	No	No	No	No	No	No	No	No	No	RFID Scanner	
G-Sensor Height Measurement:	No	No	Yes	No	No	Yes	No	No	No	No	
Measurements (in):	7.9 in x 3.7 in x1.7 in	5.5 in x 3.2 in x1.3 in	7.5 in x 3.1 in x 1.3 in	6.1 in x 3.2 in x 0.9 in	6.9 in x 3.92 in x 1.96 in	7.9 in x 3.7 in x1.7 in	6.9 in x 3.92 in x 1.96 in	7.25 in x 3.6 in x 1.5 in	8.48 in x 5.4 in x 1.36 in	8.26 in x 3.2 in x 1.26	
Weight (oz):	15.6 oz	8 oz	17.3 oz	13.5 oz	25 oz	15.6 oz	25 oz	19 oz	24-32 oz	16.7 oz	
Ports:	MiniUSB, headphone jack, 9 pin Serial, charging	Mini USB, headphone jack, charging	Micro USB, USB Host, 9 pin Serial, headphone	3.75mm audio jack, MCX GPS antenna port, custom port that supports USB 2.0 Host, USB Client	Mini USB, Host USB, headphone jack	MiniUSB, headphone jack, 9 pin Serial, charging	Mini USB, Host USB, headphone jack	Micro USB, USB Host, 9 pin Serial, headphone	USB 3.0 Host, headphone, 9 pin Serial option,	3.75mm audio jack, MCX GPS antenna port, custom port that supports USB 2.0 Host, USB Client	
Additional memory	MicroSD Card up to 32GB	MicroSD Card up to 32GB	MicroSD Card	MicroSD Card	SD and CF Card up to 32 GB	MicroSD Card up to 32GB	SD and CF Card up to 32 GB	MicroSD Card	MicroSD Card	MicroSD Card	
802.11	802.11 b/g 54 Mb/s	802.11 b/g 54 Mb/s	802.11 b/g/n	802.11 b/g/n	802.11 b/g 54 Mb/s	802.11 b/g 54 Mb/s	802.11 b/g 54 Mb/s	802.11b/g/n with extended range	802.11b/g/n with extended range wifi and BT	802.11 b/g/n	
Bluetooth:	Class II, v2.1 EDR	Class II, v2.1 EDR	Class 2.1 with Enhanced Data Rate	Class 2.1 with Enhanced Data Rate	Class II, v2.0 EDR	Class II, v2.1 EDR	Class II, v2.0 EDR	Class 1.5, v 2.1 EDR	Class 1.5, v 2.1 EDR	Class 2.1 with Enhanced Data Rate	
Operating System:	Windows Embedded Handheld 6.5	Windows Embedded Handheld 6.5	Windows Embedded Handheld 6.5 or Android	Windows Embedded Handheld 6.5	Windows Mobile 6.5	Windows Embedded Handheld 6.5	Windows Mobile 6.5	Windows Embedded Handheld 6.5.3	Windows 10 or Android 5.1	Windows Embedded Handheld 6.5 or Android	
Operating Temp.:	-4 to 140F	-4 to 140F	-22 9F to 140 9F	-22 9F to 144 9F (-30 C to 60 C)	-22 to 140F	-4 to 140F	-22 to 140F	-22 F to 144 F	-4 F to 122 F	-22 9F to 144 9F	