




2018 LandMark Spatial Solutions Mapping Grade Handheld Matrix

12/6/2018

					 31% off while quantities last			
Pros:	Good Numeric Keypad, Good GPS	Big screen, fast processor, tons of RAM, Numeric Keypad, Best Warranty	Good Numeric Keypad, Good GPS, Echo Location for borderline tree measurement	Most Accurate GPS , Big Screen, Fast Processor, Gorilla Glass Screen, Most Memory, Very Rugged	Newer model of proven technology.	Numeric Keypad, Big Screen, Brightest Screen, GPS + Glonass, 20 hr battery, Fast Processor, Very Rugged	Windows 10, 7" brightest screen, GPS + Glonass, Fastest Porcessor, Most Memory	
Cons:	Slower operation, Locks up	Screen is sensitive to excess rain or sweat, but Rain Mode helps.	Slower operation, Locks Up	No numeric or directional keys. Little heavier with 1D/2D barcode scanner.	Internal GPS is not very accurate under canopy.	none	none	
Price:	\$1,299	\$1,399	\$1,699	\$2699 \$1799	\$1,899	\$1,995	\$1,995	
Processor:	800 MHz	1.5GHz, dual core	800 MHz	1 GHz, Texas Instruments DM3730	1 GHz, Texas Instruments DM3730	1.0GHz ARM Cortex A8 i.MX53 processor	Quad-core Intel® Atom™ Z3745 processor	
Internal Memory	8 GB Non-volatile Flash	4 GB Non-volatile flash	8 GB Non-volatile Flash	32 GB Non-volatile flash	8 GB Non-volatile Flash	8 GB Non-volatile flash	64/128 GB Non-volatile flash	
RAM	512MB	1 GB	512MB	512MB	512MB	512MB	4 GB	
Display Size/Type	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	4.3" WVGA sunlight-readable Corning® Gorilla® Glass display, capacitive 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	
Camera:	5MP Auto focus	8 megapixel camera with autofocus and LED flash	5MP Auto focus	8 MP camera with geo-tagging and dual LED flash	None	5MP autofocus	8MP rear, 2 MP front, geotagging, autofocus	
IP Rating:	IP 67	IP 67	IP67 with Plug, 65 without	IP 68	IP 68	IP 68	IP 68	
Standard Warranty:	2 years	1 Year	2 years	2 years	1 Year	2 years	2 years	
No Down Time Warranty:	Yes	No	Yes	No	No	No	No	
Extended Warranty:	\$595 for 2 years	\$329 for 3 years - Includes Accidents	\$775 for 2 years	\$487 for 2 years	\$438 for 2 years	\$390 for 2 years	\$390 for 2 years	
Battery	Li-Ion 11.1v, 3800mAH	Li-Ion 11.1 V, 2500 mAh	Li-Ion 11.1v, 3800mAH	Li-Ion 11.1 V, 2500 mAh	Li-Ion, 5200 mAh	Li-Ion 3.7VDC 10600mAh	Li-Ion 43.2 WHr	
AC charge time:	4 hours	4 hours	4 hours	4 hours	4 hours	2 -4 hours	2 -4 hours	
Battery life:	9-11 hours	12 hours	9-11 hours	8-10 hours	15 hours	up to 20 hours	8-10 or 15-16 hours	
GPS Receiver Type	UBLOX 52 channel L1, C/A Code	UBLOX	UBLOX 52 channel L1, C/A Code	UBLOX L1, C/A Code, with Additional Ground Plane Antenna	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	
SBAS:	WAAS, EGNOS, MSAS, GAGAN	WAAS, EGNOS	WAAS, EGNOS, MSAS, GAGAN	WAAS, EGNOS	WAAS, EGNOS	WAAS, EGNOS	WAAS, EGNOS, Beidou, Galileo	
Accuracy (Autonomous)	1-3 meters	1-3 meters	1-3 meters	1-3 meters	>3 meters	2-4 meters	2-4 meters	
Accuracy with SBAS (Open Sky):	1-3 meters	1-3 meters	1-3 meters	1-2 meters	>3 meters	2-4 meters	2-4 meters	
GPS Filtering	Yes	Yes	Yes	N/A	None	Yes	Yes	
Echo Location:	No	No	Yes	No	No	No	No	
Intergrated Scanner:	No	No	No	RFID	No	No	No	
G-Sensor Height Measurement:	No	Yes	Yes	No	No	No	No	
Measurements (in):	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	8.26 in x 3.2 in x 1.26	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	
Weight (oz):	15.6 oz	17.3 oz	15.6 oz	16.7 oz	25 oz	19 oz	24-32 oz	
Ports:	MiniUSB, headphone jack, 9 pin Serial, charging	Micro USB, USB Host, 9 pin Serial, headphone	MiniUSB, headphone jack, 9 pin Serial, charging	3.75mm audio jack, MCX GPS antenna port, custom port that supports USB 2.0 Host, USB Client	Mini USB, Host USB, headphone jack	Micro USB, USB Host, 9 pin Serial, headphone	USB 3.0 Host, headphone, 9 pin Serial option,	
Additional memory	MicroSD Card up to 32GB	MicroSD Card	MicroSD Card up to 32GB	MicroSD Card	SD and CF Card up to 32 GB	MicroSD Card	MicroSD Card	
802.11	802.11 b/g 54 Mb/s	802.11 b/g/n	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	802.11b/g/n with extended range wifi and BT	
Bluetooth:	Class II, v2.1 EDR	Class 2.1 with Enhanced Data Rate	Class II, v2.1 EDR	Class 2.1 with Enhanced Data Rate	Class II, v2.0 EDR	Class 1.5, v 2.1 EDR	Class 1.5, v 2.1 EDR	
Operating System:	Windows Embedded Handheld 6.5	Windows Embedded Handheld 6.5 or Android	Windows Embedded Handheld 6.5	Windows Embedded Handheld 6.5 or Android	Windows Mobile 6.5	Windows Embedded Handheld 6.5.3	Windows 10 or Android 5.1	
Operating Temp.:	-4 to 140F	-22 9F to 140 9F	-4 to 140F	-22 9F to 144 9F	-22 to 140F	-22 F to 144 F	-4 F to 122 F	