

2026 LandMark Spatial Solutions Android Unit Matrix

8/31/2026

								
Pros:		Good GPS, rugged, includes special stylus. Stylus-only mode in MobileMap. Cheapest.	Rugged, great GPS, 15 hour battery, and great price.		Exceptional in All Aspects! 20 hr battery. Optional GNSS Pod (\$1000) for submeter to 1" accuracy with NTRIP.	Universal Bluetooth Keyboard for Android, Apple, and Windows devices, 200 hr battery	Exceptional in All Aspects! 20 hr battery. Optional 1D/2D pod and GNSS Pod . Stylus Only mode for water.5G Cell.	Full alpha-numeric backlit keyboard, Speaker, Optional Empower GPS, Barcode/RFID Scanner
Cons:		Battery & GPS not as good as other units. Not as rugged.		Little heavier than others like it. Older OS version.				
Price:		\$549 Wifi or \$649 LTE	\$1,330	\$1,499	\$1600 with 8300 mAh battery	\$700	\$1,830	\$4,650
Android Version:		Android 15	Android 14	Android 11	Android 14 (update to 18+)		Android 16 (update to 20+)	Android 14
Processor/Chipset:		Octa-core 2.4/2GHz Samsung Exynos 9810	Qualcomm® QCM4490 Octa-Core	2.0 Qualcomm Snapdragon 625 MSM8953 Pro, Octa-core	Qualcomm QCM4490		Qualcomm QCM6690® Octa-core	2.7 GHz Qualcomm 6490
Google Mobile Certified:		Yes	Yes	Yes	Yes		Yes	Yes
Internal Memory:		128 GB	128 GB	64 GB	128 GB		256 GB	125 GB eMMC Flash
Additional memory:		MicroSD Card up to 1 TB	MicroSD Card up to 128 GB	MicroSD Card up to 128 GB	Micro SD Card up to 512 GB		Micro SD Card up to 512 GB	NA
RAM:		6 GB or 8 GB	8 GB	4 GB	8 GB		12 GB	8 GB
Display Size/Type:		8.0" WXGA TFT (1920 x 1200) 16:10 ratio (~283 ppi density) Gorilla Glass 5	6" Multi-Touch Sunlight Readable (1920 x 1080), Glove + Wet Finger Touch Profiles	8" Multi-Touch Sunlight Readable (1920 x 1200)	6.3" FHD 1080P, 500 Nits, Glove + Wet Finger Touch Profiles		8" WXGA (1280 x 800), 1000 Nits High-visibility backlit LCD, Glove + Wet Finger Touch Profiles. Chemically strengthened glass. Stylus only EMR mode.	5" Landscape HD 800 cd/m² sunlight readable LED backlight, projective capacitive multi-touch touchscreen with stylus, finger, and glove modes
Rear Camera:		13 MP AF + 5.0MP, Flash	32 megapixel camera with autofocus and LED flash	13 megapixel camera with autofocus and LED flash	48MP		16MP	16 MP with LED flash
Front Camera:		5 MP	8 MP	5 MP	16MP		8MP	5 MP
IP Rating:		IP 67	IP 68	IP 67	IP 68	IP 68	IP 68	IP 68
Standard Warranty:		1 Year	1 Year	1 Year	2 Years	2 Years	2 Years	2 Years
Extended Warranty:		Up to 4 years	Up to 5 Years	Up to 5 Years	Up to 5 Years	Up to 5 Years	Up to 5 Years	
Battery		5050 mAh	8000 mAh/30.4 Wh	3.8 V/8200 mAh/31.2 Wh	8300 mAh	4500 mAh	8300 mAh	4530 mAh
AC charge time:		Fast Charging	4 hours	4 hours				3.5 hours
Battery life:		8 Hours	15 hours + hot swappable		18-20 hours + hot swappable	200 hours	18-20 hours + hot swappable	16-18 hours
GPS Receiver Type:		GPS, Glonass, Beidou, Galileo, QZSS	A-GPS / GPS L1+L5 / GLONASS / Galileo /Beidou	UBLOX GNSS GPS/GLONASS/Galileo/BeiDou	A- GPS/GPS/Glonass/Galileo/Beidou Dual L1/L5 Receiver		Qualcomm QCM6690 dual-band GNSS receiver and integrated antenna. Integrated SBAS. GPS, GLONASS, & Galileo	Sierra Wireless EM7590; L1 C/A GPS/Glonass/Beidou/Galileo/ QZSS; Dual Frequency - L1 C/A
SBAS:		WAAS	WAAS, EGNOS	WAAS, BDS	WAAS, EGNOS with GNSS Pod		WAAS, EGNOS	WAAS
Accuracy (Autonomous)		2-4 meters	1-3 meters	1-3 meters	1-3 meters		1-3 meters	
Accuracy with SBAS (Open Sky):		1-3 meters	< 2 meters	< 2 meters			< 2 meters	
Sensors:		Accelerometer, Fingerprint Sensor, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Proximity Sensor, RGB Light Sensor	Gyroscope, Compass, Accelerometer, Pressure, Proximity, Ambient light; Optional barcode imager and UHF RFID	Accelerometer, Sensor, Gyro Sensor, Compass, Proximity Sensor, RGB Light Sensor, Pressure; Optional barcode imager and UHF RFID	Ambient Light, Accelerometer, Magnetometer, Gyroscope, Proximeter, Barometer, Barcode (SE4107), Ublox F9P GNSS		Ambient Light sensor, Cpmpass, 3 axis Accelerometer, Gyroscope, Kensington® lock mechanism	6-axis accelerometer, Magnetic sensor, Ambient light sensor, SAR sensor, Compass
Cellular Capability:		LTE Cat 6 - AT&T, Verizon, T-Mobile	5G/LTE (1,2,3,4,5,7,8,17,20,28,38,39,40, 41)	4G/LTE (1,2,3,4,5,7,8,17,20,28,38,39,40,41)	5G T-Mobile, AT&T, and other global carriers, (still investigating Verizon)		4G LTE AT&T FirstNet™ Certified. 5G sub-6 (Verizon®, T-Mobile® and AT&T® Certified). CBRS.	4G LTE
Measurements (in):		5.0 in x 8.5 in x 0.4"	7.5 in x 3.5 in x 0.5 in	9.8 in x 5.7" x 0.5"	6.9 in x 3.3 in x 0.6 in	9.98 in x 4.76 in x 1.23 in	9.49 in x 5.66 in x .81 in	11.3 in x 6.9 in x 1.7 in
Weight (oz):		15.3 oz	13.8 oz	22.4 oz	13.9 oz	1.25 lbs	1.76 lbs	2.06 lbs
Ports:		USB Type-C 3, 3.5 mm	USB Type-C; Back Connector for Expandability	USB Type-C; Back Connector for Expandability	USB C OTG, Quick charging capability	USB C	USB C (X2), Docking and Expansion Ports	USB C
WiFi:		Wifi 6, MIMO	Wi-Fi 802.11 a/b/g/n/ac (2.4GHz+5GHz) Wifi 6E	Wi-Fi 802.11 a/b/g/n/ac (2.4GHz+5GHz)	Dual 2.4/5 GHz 802.11 a/b/g/n/ac/ax		Wi-Fi 7 - 802.11be, 2.4 GHz, 5 GHz, and 6GHz	Wifi 6E, 2.4 GHz & 5 GHz & 6 GHz
Security:		Knox 2.8	MaxGo	MaxGo				TLS 1.3
Bluetooth:		5.0, A2DP, LE	Ver 4.1	Ver 4.1	5.2 and BLE, Class 1.5	5.0	v6.0 + EDR, Class 1.5, BLE	5.2, BLE 5, Class 1
Operating Temp.:		-4 to 131 °F	-4 to 131 °F	-4 to 140 °F	-4 to 140 °F		-20 to 140 °F	-22 to 140 °F