



SW MAPS GNSS SURVEYOR

A1



HIGH ACCURACY GNSS

184 Channel Dual-band
Multi-constellation RTK GNSS
receiver



CONNECTIVITY

Wi-Fi and Bluetooth 5.0
Compatible with Android and iOS
Built-in Wi-Fi NTRIP Server



3D PRINTED ENCLOSURE

Light-weight and easily
replacable PETG enclosure



APP SUPPORT

Fully Integrated with the SW
Maps app for RTK/PPK Survey



POWER OPTIONS

Battery lasts up to 20 hours
Charges with any USB-C
charger



A1 SPECIFICATIONS

Receiver Module	u-blox ZED-F9P		
Signals Tracked	GPS	L1C/A, L2C	
	QZSS	L1C/A, L1S, L2C	
	GLONASS	L1OF, L2OF	
	Galileo	E1B/C, E5b	
	Beidou	B1I, B2I	
	SBAS	L1	
Position Accuracy (CEP)	Mode	Horizontal	Vertical
	Standalone	1.5m	2m
	SBAS	1m	1.5m
	RTK	10mm + 1ppm	10mm+1ppm
	Static	4mm + 0.5 ppm	8mm + 1 ppm
Number of Channels	184		
Update Rate	Up to 5Hz (All GNSS), 8Hz (GPS Only)		
Receiver	Dimensions	ø138x90mm	
	Weight	625g	
	Mounting	Standard 5/8" screw	
Internal Radio	Frequency	2.4GHz	
	Range	Up To 300m	
Connectivity	Wi-Fi	2.4GHz 802.11 b/g/n	
	Bluetooth	Bluetooth 5.0	
Ports	USB	USB-C port	
	Serial	4-pin JST-XH UART serial port	
Battery	Internal Battery	3.7V Li-Ion, 3 cells, 9000mAh	
	Running Time	Up To 24 Hours (Static), 20 Hours (RTK)	
	Charging	USB, 1A charge current	
Data Output	Rover	NMEA 4.10, UBX	
	Base	RTCM 3.3	
Data Recording	Format	NMEA 4.10, UBX	
	Storage	Micro-SD card slot	
RTK Correction Input	RTCM 3		
Included Accessories	SW Maps GNSS Surveyor Bag		
	Micro-SD Card		
	USB-C Battery Charger		
Mobile App	Android	GNSS Setup App for Base/Rover configuration	
		SW Maps for surveying	
	iOS	SW Maps for surveying	

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