



# SW MAPS

## GNSS SURVEYOR

### Features

- Dual-Frequency High Precision GNSS Receiver
- Built-In High Performance Survey Antenna
- Base or Rover Configuration
- 2.4GHz built-in radio for license-free operation.  
Expansion slot for external radios or equipment.
- Fully Integrated with the SW Maps app for RTK/PPK Survey
- Wi-Fi and Bluetooth 4.0 Compatible with Android and iOS
- SD Card slot for data recording
- Internal battery runs up to 24 hours.  
Can be charged and powered with any USB-C charger



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# Technical 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)		Horizontal	Vertical
	Standalone	1.5m	2m
	SBAS	1m	1m
	RTK	10mm + 1ppm	15mm+1ppm
	Static	4mm + 0.5 ppm	8mm + 1 ppm
Number of Channels	184		
Update Rate	Up to 8Hz (All GNSS), 20Hz (GPS Only)		
Receiver	Dimensions	95x95x78 mm	
	Weight	450g	
	Mounting	Standard 5/8" screw	
Internal Radio	Frequency	2.4GHz	
	Range	Up To 300m (Range extenders available separately)	
Connectivity	Wi-Fi	2.4GHz 802.11 b/g/n	
	Bluetooth	Bluetooth 4.0	
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	5/8" extender for tripod mounting		
	SW Maps GNSS Surveyor Bag		
	16 GB 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	