

# Technical Specification

GNSS Signal <sup>®</sup>	Channels	1408
	GPS	L1C/A, L1C, L2P(Y), L2C, L5
	GLONASS	L1, L2, L3*
	BDS	B1I, B2I, B3I, B1C, B2a, B2b*
	GALILEO	E1, E5a, E5b, E6*
	QZSS	L1, L2, L5, L6*
	SBAS	L1, L2, L5
	NavIC(IRNSS)*	L5
	L-Band	B2b PPP (Only for the Asian-Pacific Region)
	Data Format	CMR, CMR+, RTCM2.X, RTCM3.X
	Data updating rate	5Hz
	Initialization Time	≤5 Seconds (Typical)
	Cold Start	≤30 Seconds
Hot Start	≤3 Seconds	
Positioning Performance	Single Point Positioning (RMS)	Horizontal: 1.5m   Vertical: 2.5m
	DGPS (RMS)	Horizontal: 0.4m   Vertical: 0.8m
	Real Time Kinematic (RMS)	Horizontal: ±(8mm+1×10 <sup>-6</sup> ·D) Vertical: ±(15mm+1×10 <sup>-6</sup> ·D)
	Speed Accuracy	≥0.03m/s
	Tilt Compensation Accuracy (Up to 120°)	≤1.5cm(Tilt Angle≤30°)
Communication	Bluetooth	BluetoothV4.0
	Indicator	Power Indicator x1
		Bluetooth Indicator x1
		Differential Data Indicator x1
	Satellite Indicator x1	
Battery	Specifications	8.4 V / 1800 mAh lithium-ion Rechargeable Battery
	Operating Times	RTK Rover: Up to 10 Hours (Typical Power Consumption)
Environment	Operating Temperature	-20°C~+75°C
	Storage Temperature	-40°C~+85°C
	Anti-seismic	1.6m Pole Drop Onto Concrete
	Dust& Waterproof:	IP67
	Humidity	95% No Condensation
Physical	I/O Interface	Type-C& Power Button
	Dimensions	108 mm x 52 mm x 36 mm
	Weight	≤170g

1. \*This information is for reference only. The product parameters are subject to changes due to product upgrading without notice.

2. \*BDS B2b, GALILEO E6, QZSS L6, IRNSS L5 will be provided through future product upgrade.



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# M2Pro

## PORTABLE GNSS RECEIVER



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