

TI Asahi Co.,Ltd Aiming at the future together!

GNSS SPECIFICATIONS

Model		G6Ti	G6Ni	
Channel Configuration		220 channels (dual frequency) for GPS, GLONASS, Galileo, Beidou and SBAS	555 channels (dual frequency) for GPS, GLONASS, Beidou and SBAS	
Receiver Board		Trimble BD930	NovAtel 719	
Signal Tracking	GPS	L1 C/A, L2E, L2C, L5	L1 C/A, L1C, L2C, L2P, L5	
	GLONASS	L1 C/A, L2C/A, L3CDMA	L1 C/A, L2C, L2P, L3, L5	
	BEIDOU	B1 / B2	B1, B2, B3	
	Galileo	E1, E5A, E5B, E5AltBOC	E1, E5 AltBOC, E5a, E5b, E6	
	QZSS	L1 C/A, L1 SAIF, L2C, L5	L1 C/A, L1C, L2C, L5, L6	
	SBAS	L1 C/A, L5		
		LI C/A, L3	L1, L5 L5	
	NavIC (IRNSS)*			
	L-Band	up to 3 Channels		
osition Accuracy	CDAS (MINAS CASAN)	Horizontal / Vertical		
	SBAS (WAAS, GAGAN etc.)	0.5 m / 0.85 m 0.25 m + 1 ppm / 0.5 m + 1 ppm		
	DGPS	0.25 m + 1 ppm		
RTK Performance	Horizontal Accuracy	0.008 m + 1 ppm	0.010 m + 1 ppm	
	Vertical Accuracy	0.015 m + 1 ppm	0.020 m + 1 ppm	
	Average Time to Work	Typ. < 10 sec.		
	Availability/Initialization Reliability	> 99.9%		
tatic Performance	Horizontal Accuracy	2.5 mm + 0.5 ppm		
	Vertical Accuracy	5 mm +	0.5 ppm	
PPP (Precision Point Positioning			Horizontal 40mm with TerraStarC (optional	
Ports		Lemo 5-pin, external r	adio and power supply	
		Lemo 7-pin, ser	ial port and USB	
nternal Radio Modem	Frequency	TRM101		
	Output Power	0.5 W / 1 W		
SSM/GPRS Modem		Gemalto PHS8-P		
		UMTS / HSPA+ / GSM / GPRS / EDGE		
		(supporting NTRIP)		
Power	Internal Battery	3,350 mAh / 7.4V x2		
-owei	Current Drain	0.35A / 12V		
	Current Drain	0.35A / 12V 1.25A / 12V max.		
	D. H. D. L. T. L.			
** * * * *	Battery Running Time	Approx. 12 hr: Rover, 10 hr: Base with 2 Batteries		
Weight		1.1 kg with 2 batteries		
Dimensions				
Invironmental Specifications	Operating Temperature			
	Storage Temperature		o +65 ℃	
	Shock/Drop	2	m	
/elocity Accuracy	Standalone	0.007 m/sec, 0.020 m/sec	0.03 m/s RMS	
Pata Output	Raw Data	up to 20 Hz	up to 5 Hz (20 Hz optional)	
	NMEA Data	1 Hz, 2 Hz, 5 Hz, 10 Hz, 20 Hz	Default 5 Hz	
		RTCM Ver 2.1, 2.2, 2.3, 3.0, 3.1, 3.2		
		CMR, CMI	R+, sCMRx	
ime to First Fix	Cold Start	< 45 sec	< 50 sec	
	Warm Start	After power-on < 30 sec	After power-on < 35 sec	
		Re-acquisition < 2 sec	Re-acquisition < 1 sec	
ViFi		•	2.11b/g	
ilt Sensor			Electric Bubble	
		Range 30°/< 30mm		
Bluetooth		Class 2		
Memory		Internal 4 GB and MicroSD 4 GB		
oHS				
Vaterproofing		Complied		
vaterprooting Tertification		IP67 CE		
Standard Accessories		2 x Li-lon rechargeable battery pack		
		Battery charger + AC Adapter		
		UHF radio antenna (longer one)		
		5/8 inch screw adapter		
		Lemo 7-pin communication cable		
		CD (contains manual and	data conversion software)	

^{*} Hardware ready

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