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Zenith GNSS family

GeoMax has a complete GNSS portfolio to fulfill the needs of all users. Ensure ultimate reliability with GeoMax GNSS systems ene in challenging environments. Providing true cost effectiveness, these systems are equipped with the latest GNSS technology in the field, helping you increase your productivity and taking your performance to a new level.





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GeoMax GNSS Antennas - Overview

NOVATEL MEASUREMENT ENGINE RTK technology GeoMax Q-Lock™ NovAtel AdVance® 555		Zenith15	Zenith25 Pro	Zenith25Pro4	Zenith35 Pro	Zenith35 Pro TAG	
Channels	NOVATEL MEASUREMENT ENG	INE					
BeiDou tracking	RTK technology				NovAtel AdVance®		
Selic tracking - E1 (opt) E1, E5b (opt) E1, E5a, E5b, AltBOC, E6**	Channels	•			-		
Selic tracking - E1 (opt) E1, E5b (opt) E1, E5a, E5b, AltBOC, E6**	BeiDou tracking	-	B1 (opt)	B1, B2	B1, B2, B3**		
SBAS EGNOS, WAAS, MSAS, GAGAN EGNOS, WAAS, MSAS, GAGAN, QZSS*** TILT & GO	Galileo tracking	-	E1 (opt)	E1, E5b (opt)			
Single / Dual Mode	Positioning rate	5Hz	5Hz, 20Hz (opt)	5Hz, 20 Hz (opt)	5Hz 5Hz, 20Hz (opt)		
Single / Dual Mode	SBAS	, , , , , , , , , , , , , , , , , , , ,			EGNOS, WAAS, MSAS, GAGAN, QZSS***		
Static H/V mm (ft) + ppm 3 (.010 ft) + 0.5/ 5 (0.16 ft) + 0.5	TILT & GO						
Static H/V mm (ft) + ppm 3 (.010 ft) + 0.5/ 5 (0.16 ft) + 0.5	Single / Dual Mode				-	Yes	
Static Ply Mim (ft) + ppm	ACCURACY**						
Static long H/V mm (ft) + ppm 3 (.016 ft) +1 8 (.026 ft) +1 / 15 (.049 ft) +1 8 (.026 ft) +1 / 15 (.049 ft) +1 8 (.026 ft) +1 / 15 (.049 ft) +1 8 (.026 ft) +1 / 15 (.049 ft) +1 8 (.026 ft) +1 / 15 (.049 ft) +1 8 (.026 ft) +1 / 15 (.049 ft) +1 8 (.026 ft) +1 / 15 (.049 ft) +1 15 (Static H/V mm (ft) + ppm		3 (.010 ft) + 0.5/	5 (0.16 ft) + 0.5) + 0.5 3 (.010 ft) + 0.5/ 5 (0.16 ft) + 0.5		
COMMUNICATION GSM/GPRS module 3.75 G 3.7	Kinematic H/V mm (ft) + ppm	, , ,	8 (.026 ft) +1/ 15 (.049 ft) +1		8 (.026 ft) +1/ 15 (.049 ft) +1		
GSM/GPRS module 3.75 G UHF radio module 500 mW, 1000 mW; selectable Opt. Opt. Opt. Included Included Included Yes WiFi - Web User Interface Remote Configuration via DynDNS Communication port INTERFACES Data recording Removable microSD card Removable microSD card Removable sIM card Removable SIM card PicPoInt / X-Pole support POWER SUPPLY External power / Internal battery Smart battery Operating time (static/rover) 7.5 h / 5 h 9 h / 6 h 9 h / 6 h 500 mW, 1000 mW; selectable 1Icluded 500 mW, 1000 mW; selectable 1Icluded 500 mW, 1000 mW; selectable 1Icluded 1Icluded 1Icluded 1Iclude 1Icluded 1Iclude	Static long H/V mm (ft) + ppm		3 (.010 ft) + 3.	5 (.011) + .04	3 (.010 ft) + 3.5 (.011) + .04		
UHF radio module Opt. Opt. Included Bluetooth® Yes WiFi - Yes Web User Interface Remote Configuration via DynDNS Communication port INTERFACES Data recording GSM / TCP / IP PicPoint / X-Pole support POWER SUPPLY External power / Internal battery Smart battery Operating time (static/rover) 500 mW, 1000 mW; selectable 500 mW, 1000 mW; selectable Included Include Included Included Included Included Included Included Include Included Include							
Bluetooth® Yes Yes WiFi - Yes Web User Interface - Yes Remote Configuration via DynDNS - Yes Communication port USB, serial and power INTERFACES Data recording Removable microSD card 8 GB internal memory GSM / TCP / IP Removable SIM card PicPoint / X-Pole support Yes POWER SUPPLY External power / Internal battery Smart battery - Yes Operating time (static/rover) 7.5 h / 5 h 9 h / 6 h 9 h / 6 h 8 h / 6 h	GSM/GPRS module						
Bluetooth® Yes Yes WiFi - Yes Web User Interface - Yes Remote Configuration via DynDNS - Yes Communication port USB, serial and power USB, serial and power INTERFACES Data recording Removable microSD card Removable microSD card and 8 GB internal memory GSM / TCP / IP Removable SIM card Removable SIM card PicPoint / X-Pole support Yes POWER SUPPLY External power / Internal battery Lemo® plug / Removable Li-Ion 2.6 Ah Lemo® plug / Removable, Li-Ion 3.4 Ah Smart battery - Yes Operating time (static/rover) 7.5 h / 5 h 9 h / 6 h 9 h / 6 h 8h / 6h	UHF radio module						
WiFi - Yes Web User Interface - Yes Remote Configuration via DynDNS - Yes Communication port USB, serial and power INTERFACES Data recording Removable microSD card Removable microSD card and 8 GB internal memory GSM / TCP / IP Removable SIM card Removable SIM card Yes PicPoint / X-Pole support Yes Yes POWER SUPPLY External power / Internal battery Lemo® plug / Removable Li-Ion 2.6 Ah Lemo® plug / Removable, Li-Ion 3.4 Ah Smart battery - Yes Operating time (static/rover) 7.5 h / 5 h 9 h / 6 h 9 h / 6 h 8h / 6h	Bluetooth®						
Web User Interface Remote Configuration via DynDNS Communication port USB, serial and power INTERFACES Data recording Removable microSD card Removable microSD card 8 GB internal memory Removable SIM card PicPoint / X-Pole support Yes POWER SUPPLY External power / Internal battery Smart battery Operating time (static/rover) 7.5 h / 5 h 9 h / 6 h 9 h / 6 h 9 h / 6 h 9 h / 6 h					1		
Communication port INTERFACES Data recording Removable microSD card Removable sIM card PicPoint / X-Pole support POWER SUPPLY External power / Internal battery Smart battery Operating time (static/rover) USB, serial and power USB, serial and power USB, serial and power Removable microSD card and 8 GB internal memory Removable SIM card Yes Yes Yes Operating time (static/rover) 7.5 h / 5 h 9 h / 6 h 9 h / 6 h Removable microSD card and 8 GB internal memory Removable Li-Ion 2.6 Ah Lemo® plug / Removable, Li-Ion 3.4 Ah Yes Operating time (static/rover) 7.5 h / 5 h 9 h / 6 h 9 h / 6 h Removable microSD card and Removable microSD card and Removable microSD card and Removable sIM card Removable							
INTERFACES Data recording Removable microSD card Removable microSD card Removable microSD card Removable microSD card Removable siM card PicPoint / X-Pole support Yes POWER SUPPLY External power / Internal battery External power / Internal battery Coperating time (static/rover) Power support Pes Power support Pes Pes Pes Pes Pes Pes Pes Pe					1		
Data recording Removable microSD card Removable microSD card 8 GB internal memory Removable SIM card PicPoint / X-Pole support Yes POWER SUPPLY External power / Internal battery Smart battery Operating time (static/rover) 7.5 h / 5 h 9 h / 6 h 9 h / 6 h Removable microSD card and 8 GB internal memory Removable SIM card Removable DIM Card Removable SIM card Pics Yes Operating time (static/rover) 7.5 h / 5 h 9 h / 6 h 9 h / 6 h Removable MicroSD card and 8 GB internal memory Removable SIM card Pics Yes Yes			USB, serial and power	USB, seria	al and power		
Removable SIM card PicPoint / X-Pole support POWER SUPPLY External power / Internal battery Smart battery Operating time (static/rover) 8 GB internal memory Removable SIM card Yes Yes Yes Yes POWER SUPPLY Lemo® plug / Removable Li-Ion 2.6 Ah Lemo® plug / Removable, Li-Ion 3.4 Ah Smart battery Operating time (static/rover) 7.5 h / 5 h 9 h / 6 h 9 h / 6 h	Data recording	Pomovable microSD card					
PicPoint / X-Pole support POWER SUPPLY External power / Internal battery Smart battery Operating time (static/rover) Yes Yes Yes Yes Lemo® plug / Removable Li-Ion 2.6 Ah Lemo® plug / Removable, Li-Ion 3.4 Ah Yes Operating time (static/rover) 7.5 h / 5 h 9 h / 6 h 9 h / 6 h 8 h / 6 h	5						
POWER SUPPLY External power / Internal battery Smart battery Operating time (static/rover) Lemo® plug / Removable Li-Ion 2.6 Ah Lemo® plug / Removable, Li-Ion 3.4 Ah Yes 9 h / 6 h 8 h / 6 h							
External power / Internal battery Lemo® plug / Removable Li-Ion 2.6 Ah Lemo® plug / Removable, Li-Ion 3.4 Ah Smart battery - Yes Operating time (static/rover) 7.5 h / 5 h 9 h / 6 h 9 h / 6 h 8h / 6h		les				Tes	
Smart battery - Yes Operating time (static/rover) 7.5 h / 5 h 9 h / 6 h 9 h / 6 h 8h / 6h		Lemo® plug / Removable Liston 2.6 Ab				11 1:1 2 4 41	
Operating time (static/rover) 7.5 h / 5 h 9 h / 6 h 9 h / 6 h 8h / 6h		Lemo®	Lemow plug / Kemovable Li-ton 2.6 An				
1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		75h/5h	9 h / 6 h	9 h / 6 h			
PHYSICAL SPECIFICATIONS	PHYSICAL SPECIFICATIONS	713 11 7 5 11	3 11 / 3 11	5 / 5	3.1	7 311	
Dimensions / Weight Height 95mm (3.74 in) - 198 (7.80 in)/ 1.07 kg (2.36 lbs) Height 131 mm (5.16 in) - 161 mm (6.34 in) / 1.17 kg (2.58 lbs) without battery	Dimensions / Weight						
Operating temperature -40C (-40F) to 65C (14F) -40C (-40F) to 65C (14F)	Operating temperature	-40C (-40F) to 65C (14F)			-40C (-40F) to 65C (14F)		
Protection class / Humidity IP68, 100%, condensing IP68, 100%, condensing	Protection class / Humidity				IP68, 100%, condensing		
Vibration Mechanical stress resistant according ISO 9022-36-05 ASAE EP455 Section 5.15.1 Random, MIL-STD-810G, method 514.6E-I	Vibration	Mechanical stress resistant according ISO 9022-36-05					
Shock Withstands 2m topple over onto hard surface Withstands 2 m drop onto hard surface	Shock	Withstands 2m topple over onto hard surface			, , , , , , , , , , , , , , , , , , ,		
WARRANTY	WARRANTY						
Standard Warranty 1 year 1 year	Standard Warranty	1 year		1	year		
Extendable warranty - Yes Yes Yes	Extendable warranty	-		Yes			





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Glonass L3 will be provided through future firmware upgrade. Believe to comply. Subject to ICD description availability. * Support of QZSS is incorporated and will be provided through future firmware upgrade when QZSS will be operational. *** Measurement accuracy and reliability are dependent on various factors including satellite geometry, obstructions, observation time, ionospheric conditions, multipath, etc. Figures quoted assume normal to favorable conditions. favorable conditions.

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