## **GeoMax GNSS Comparison Chart**







		Zenith06	Zenith16	Zenith60 Pro
RECEIVER SPECIFICATIONS				
Signal tracking / Channels		Dual-frequency / 184	Multi-frequency / 555	Multi-frequency / 800+
GPS / GLONASS / Galileo / BeiDou / QZSS / NavIC/ SBAS		✓/✓/✓/✓/×/✓	<b>√</b>   <b>√</b>	1/1/1///////
L-band: TerraStar-C Pro correction service (PPP)		Х	✓ (opt.)	√ (opt., 948901 only)
Tilt compensation		Х	Х	✓
Maximum positioning update rate		10 Hz	5 Hz, 20 Hz (opt)	20 Hz
Initialisation time		typically 8 s	typically 4 s	typically 4 s
QR-iConnect		✓	✓	✓
X-Pole support		✓	✓	✓
RTK reference station functionality		Х	✓	✓
ACCURACY (RMS)**				
Single baseline RTK	Horizontal: Vertical:	20 mm + 1 ppm 30 mm + 1 ppm	8 mm + 1 ppm 15 mm + 1 ppm	8 mm + 1 ppm 15 mm + 1 ppm
Network RTK	Horizontal: Vertical:	20 mm + 1 ppm 30 mm + 1 ppm	8 mm + 0.5 ppm 15 mm + 0.5 ppm	8 mm + 0.5 ppm 15 mm + 0.5 ppm
Static	Horizontal: Vertical:	20 mm + 1 ppm 30 mm + 1 ppm	3 mm + 0.5 ppm 5 mm + 0.5 ppm	3 mm + 0.5 ppm 5 mm + 0.5 ppm
TerraStar C-Pro (PPP)	Horizontal: Vertical:	-	< 25 mm < 50 mm	< 25 mm < 50 mm
COMMUNICATION				
Bluetooth®, USB, RS232, WLAN		✓ / ✓ / × / ×	✓ / ✓ / ✓ / ×	111111
Cellular modem		Controller internal	Controller internal	4G
UHF radio		-	SATEL (opt.)	SATEL (opt.)
Raw data / RINEX data logging / NMEA out		✓ / ✓ / ×	1111	11111
Data recording		Controller memory	Removable microSD card	Removable microSD card and 8 GB internal memory
PHYSICAL SPECIFICATIONS				
Weight (without battery)		0.34 kg	1.14 - 1.18 kg	1.14 kg
Dimensions		135 x 81 x 31 mm	Height 95 mm, ø 198 mm	Height 75 mm, ø 166.8 mm
Operating temperature		-40°C to 65°C	-40°C to 65°C	-40°C to 65°C
Proof against water, sand and dust		IP67	IP68	IP68
Shock		Withstands 2 m pole topple over onto hard surface	Withstands 2 m pole topple over onto hard surface	Withstands 2 m pole topple over onto hard surface
POWER SUPPLY				
External power / Internal battery		USB-C / Internal, Li-Ion 6.12 Ah	Lemo® plug / Removable, Li-Ion 2.6 Ah	Lemo® plug / Hot- swappable, Li-Ion 3.4 Ah
Operating time (static/rover)		20 h	9 h / 6 h	12 h / 11 h
WARRANTY				
Standard warranty		1 year	1 year	1 year
Extendible warranty		Yes	Yes	Yes

<sup>\*</sup> Support of NavIC is incorporated and will be provided through future firmware upgrade.

 $\label{thm:condition} \mbox{GeoMax reserves the right to change, without notice, product offerings or specifications.}$ 



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<sup>\*\*</sup> Measurement accuracy and reliability are dependent on various factors including satellite geometry, obstructions, observation time, ionospheric conditions, multipath, etc. Figures quoted assume normal to favourable conditions.

Additional Hz uncertainty for tilt-compensated RTK: 2 cm up to 30° tilt.