GeoMax GNSS Comparison Chart

		Zenith16	Zenith40	Zenith60
RECEIVER SPECIFICATIONS				
Signal tracking		Dual-frequency	Multi-frequency	Multi-frequency
GPS / GLONASS / Galileo / BeiDou / QZSS / NAVIC/ SBAS		✓ / ✓ / ✓ / ✓ / ✓ / ✓ / ✗ / ✓	✓ / ✓ / ✓ / ✓ / ✓ / ✓ / ✓*/ ✓	✓ / ✓ / ✓ / ✓ / ✓ / ✓ / ✓*/ ✓
L-band: Terrastar-C Pro correction service (PPP)		✗	✓ (opt.)	✓ (opt.)
Tilt compensation		✗	✗	✓
Reliability		99.99%	99.99%	99.99%
Maximum positioning update rate		5 Hz	5Hz, 20 Hz (opt)	5Hz, 20 Hz (opt)
Initialisation time		typ. 4s	typ. 4s	typ 4s
QR-iConnect		✓	✓	✓
X-Pole support		✓	✓	✓
RTK reference station functionality		✓	✓	✓
ACCURACY (RMS)**				
Single baseline RTK	Horizontal: Vertical:	10 mm + 1 ppm 20 mm + 1 ppm	8 mm ± 1 ppm 15 mm ± 1 ppm	8 mm ± 1 ppm (rms) 15 mm ± 1 ppm (rms)
Network RTK	Horizontal: Vertical:	10 mm + 0.5 ppm 20 mm + 0.5 ppm	8 mm ± 0.5 ppm 15 mm ± 0.5 ppm	8 mm ± 0.5 ppm (rms) 15 mm ± 0.5 ppm (rms)
Static (phase) with long observations	Horizontal: Vertical:	3 mm + 0.1 ppm 3.5 mm + 0.4 ppm	3 mm ± 0.1 ppm 3.5 mm ± 0.4 ppm	3 mm + 0.1 ppm (rms) 3.5 mm + 0.4 ppm (rms)
Static and rapid static (phase)	Horizontal: Vertical:	5 mm + 0.5 ppm 10 mm + 0.5 ppm	3 mm ± 0.5 ppm 5 mm ± 0.5 ppm	3 mm ± 0.5 ppm (rms) 5 mm ± 0.5 ppm (rms)
COMMUNICATION				
Power, Bluetooth®, USB, RS232, WLAN		✓ / ✓ / ✓ / ✓ / ✓ / ✗	✓ / ✓ / ✓ / ✓ / ✓ / ✗	✓ / ✓ / ✓ / ✓ / ✓ / ✓
Cellular modem		Controller internal	3.75G	4G
UHF radio		SATEL (opt.)	SATEL (opt.)	SATEL (opt.)
Raw data / RINEX data logging / NMEA out		✓ / ✓ / ✓	✓ / ✓ / ✓	✓ / ✓ / ✓
Data recording		Removable microSD card	Removable microSD card	Removable microSD card and 8 GB internal memory
PHYSICAL SPECIFICATIONS				
Weight (without battery)		1.09 - 1.13 kg	1.14 - 1.18 kg	1.14 kg
Dimensions		Height 95 mm, ø 198 mm	Height 95 mm, ø 198 mm	Height 75mm, ø 166.8 mm
Operating temperature		–40°C to 65°C	–40°C to 65°C	–40°C to 65°C
IP68 proof against water, sand and dust		✓	✓	✓
Shock		Withstands 2 m drop onto hard surface	Withstands 2 m drop onto hard surface	Withstands 2 m drop onto hard surface
POWER SUPPLY				
External power / Internal battery		Lemo® plug / Removable, Li-Ion 2.6 Ah	Lemo® plug / Removable, Li-Ion 2.6 Ah	Lemo® plug / Hot-swappable, Li-Ion 3.4 Ah
Operating time (static/rover)		9 h / 6 h	9h / 6h	12h / 11h
WARRANTY				
Standard Warranty		1 year	1 year	1 year
Extendable warranty		Yes	Yes	Yes

* Support of NavIC is incorporated and will be provided through future firmware upgrade.
** 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. GeoMax reserves the right to change, without notice, product offerings or specifications.