

GeoMax GNSS Comparison Chart



Zenith06 Pro

Zenith16

Zenith55

Zenith60 Pro

RECEIVER SPECIFICATIONS

Signal tracking / Channels	Dual-frequency / 184	Multi-frequency / 555	Multi-frequency / 600+	Multi-frequency / 800+
GPS / GLONASS / Galileo / BeiDou / QZSS / NavIC / SBAS	✓ / ✓ / ✓ / ✓ / ✓ / ✓ / ✓ / ✓ / ✓	✓ / ✓ / ✓ / ✓ / ✓ / ✓ / ✓ / ✓ / ✓	✓ / ✓*** / ✓ / ✓ / ✓ / ✓ / ✓ / ✓ / ✓	✓ / ✓*** / ✓ / ✓ / ✓ / ✓ / ✓ / ✓ / ✓
L-band: TerraStar-C Pro correction service (PPP)	✗	✓ (opt.)	✗	✓ (opt., 948901 only)
Tilt compensation	✓	✗	✓	✓
Maximum positioning update rate	10 Hz	5 Hz, 20 Hz (opt)	10 Hz	20 Hz
Initialisation time	typically 8 s	typically 4 s	typically 6 s	typically 4 s
QR-iConnect	✓	✓	✓	✓
X-Pole support	✓	✓	✓	✓
RTK reference station functionality	✗	✓	✓	✓

ACCURACY (RMS)**

Single baseline RTK	Horizontal: 20 mm + 1 ppm Vertical: 30 mm + 1 ppm	8 mm + 1 ppm 15 mm + 1 ppm	10 mm + 1 ppm 20 mm + 1 ppm	8 mm + 1 ppm 15 mm + 1 ppm
Network RTK	Horizontal: 20 mm + 1 ppm Vertical: 30 mm + 1 ppm	8 mm + 0.5 ppm 15 mm + 0.5 ppm	10 mm + 0.5 ppm 20 mm + 0.5 ppm	8 mm + 0.5 ppm 15 mm + 0.5 ppm
Static	Horizontal: - Vertical: -	3 mm + 0.5 ppm 5 mm + 0.5 ppm	5 mm + 0.5 ppm 8 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	✓ / ✓ / ✗ / ✗	✓ / ✓ / ✓ / ✗	✓ / ✓ / ✓ / ✓	✓ / ✓ / ✓ / ✓
Cellular modem	Controller internal	Controller internal	4G	4G
UHF radio	-	SATEL (opt.)	✓	SATEL (opt.)
Raw data logging / NMEA out	✗ / ✗	✓ / ✓	✓ / ✓	✓ / ✓
Data recording	Controller memory	Removable microSD card	Removable microSD card and 8 GB internal memory	Removable microSD card and 8 GB internal memory

PHYSICAL SPECIFICATIONS

Weight (without battery)	0.34 kg	1.14 - 1.18 kg	1.14 kg	1.14 kg
Dimensions	139 x 81 x 31 mm	Height 95 mm, ø 198 mm	Height 75 mm, ø 166.8 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	-40°C to 65°C
Proof against water, sand and dust	IP67	IP68	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	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	Lemo® plug / Hot- swappable, Li-Ion 3.4 Ah
Operating time (static/rover)	20 h	9 h / 6 h	12.5 h / 11 h	12 h / 11 h

WARRANTY

Standard warranty	1 year	1 year	1 year	1 year
Extendible warranty	Yes	Yes	Yes	Yes



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* 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.
Additional Hz uncertainty for tilt-compensated RTK: 2 cm up to 30° tilt.
*** Glonass L3 will be provided through future firmware upgrade.

GeoMax reserves the right to change, without notice, product offerings or specifications.