Works when you do

GeoMax GNSS family

Increase your positioning productivity across sites

Whatever challenge you face on site,
there is a GeoMax GNSS antenna to help you overcome it.

From mapping to staking out, as-built, and utility applications GeoMax receivers provide high measurement accuracy and easy handling across environments. Thanks to the knowledge and experience of our parent company Hexagon, we are able to offer proven, state-of-the-art technology. When you purchase a GeoMax GNSS instrument, you can be certain our antenna will have long-lasting performance, backed by our worldwide service centers and customer support teams, helping you increase your productivity and profitability.

Scan to learn more about the
GeoMax GNSS family

geomax-positioning.com

©2025 Hexagon AB and/or its subsidiaries and affiliates. All rights reserved.

Zenith60 Pro Series

Redefining accuracy and reliability

For surveyors and construction professionals who want to get the job done on time and with confidence, the advanced Zenith60 Pro GNSS smart antenna ensures precise, accurate, and hassle-free measurements.

The new, powerful RTK rover provides reliable data and supports a streamlined workflow even in challenging conditions. The Zenith60 Pro's tilt compensation makes it possible to measure otherwise inaccessible points and increases your measurement speed.

Zenith60 Pro is fully integrated with the GeoMax ecosystem, providing a comprehensive solution that works when you do. Zenith60 Pro connects with GeoMax total stations and innovative X-PAD field software that enables an efficient and flexible workflow. X-PAD Software provides a simple user experience without extra software maintenance costs.

Scan to learn more about the **Zenith60 Pro Series**

Zenith55

Professional-grade performance, practical value

The Zenith55 GNSS smart antenna delivers professional-grade performance with practical value in mind, empowering growing businesses to tackle even challenging construction and surveying projects. With advanced features like tilt compensation, over 600 channels, multi-constellation support, and a robust IP68-rated design, the Zenith55 provides the reliability and durability you need while also protecting your resources.

Whether you're expanding your operations or upgrading your equipment, the Zenith55 strikes the ideal balance between cutting-edge capabilities and practical value, backed by outstanding comprehensive GeoMax support.

Integrated into the GeoMax ecosystem, the Zenith55 works seamlessly with GeoMax robotic total stations, field controllers and the X-PAD field software. This makes it more than just a GNSS receiver – it's a comprehensive solution that ensures dependable precision and boosts productivity.

Scan to learn more about the **Zenith55**

Zenith16 Series

Top-performing technology, smart investment

Top performing technology and a remarkable price-performance ratio meet in the Zenith16 GNSS receiver, making it a strong investment. The Zenith16 GNSS smart antenna provides fast and accurate measurements, enabling you to efficiently complete high-quality projects. Benefit from multi-frequency, multi-constellation tracking, access to precise point positioning (PPP), and fast convergence times for high accuracy with less downtime.

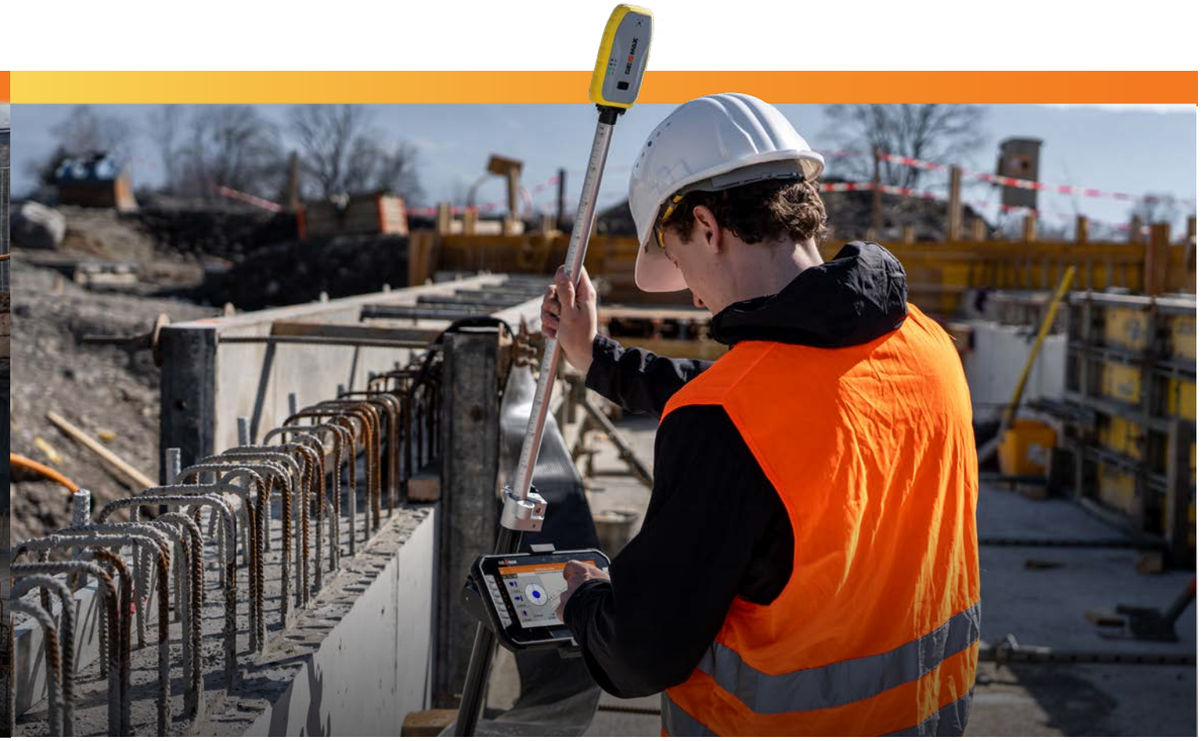
Experience the Zenith16's full potential when combined with X-PAD software and GeoMax field controllers, enabling an optimized workflow from the field to the office within a single, streamlined ecosystem.

Additionally, you'll join the GeoMax family, including the strong network of support and training designed to ensure you get the most value out of your product through its lifetime.

Scan to learn more about the **Zenith16 Series**

Zenith06 Pro

Tilt easy, measure fast



The Zenith06 Pro is an easy-to-use and compact GNSS smart antenna with tilt compensation that offers professional-grade positioning accuracy in the field. Get reliable results quickly and gain access to difficult points for overall productivity gains.

Fully integrated with user friendly X-PAD Ultimate field software, the Zenith06 Pro streamlines your workflow, making construction tasks like stake-out, grade checking, and data collection faster and easier. The X-PAD Suite ecosystem goes even further, offering seamless data exchanges between the field, office, and cloud - so you always have the latest info to keep work moving forward.

Supported by GeoMax's exceptional customer support and service, it's a reliable and accessible instrument to limit downtime and enhance your performance.

Scan to learn more about the **Zenith06 Pro Series**

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
Initialization 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

* 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 favorable 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.

X-PAD Suite

The heart of every GeoMax solution

Alongside our hardware, GeoMax offers a complete software suite that enhances your workflow, saving you time and money.

With its full portfolio of field software, office software and an intuitive cloud platform, X-PAD is the thread that seamlessly connects every step of the workflow. The software suite has been developed based on our customer feedback and perfectly matches the GNSS workflows. It is so easy to use that no extra training is needed, although it is always available upon request.

X-PAD Ultimate - The Ultimate solution in the field

Our fully-featured X-PAD field software, X-PAD Ultimate, is the world's first Android field data collection software. It's available in two tailored versions: one for surveyors and one for construction professionals. The software is pleasantly simple to use, designed with the latest technology, and is always maintained without any extra costs. With the unique X-PAD Ultimate feature, X-TILT, and the Zenius08 Android tablet, inaccessible points are no longer a challenge. By keeping your X-PERT service active, you can continuously profit from the latest software improvements.

X-PAD Office Fusion – Multiple sensors, One Platform

X-PAD Office Fusion is the ultimate desktop software for integrating geospatial data from TPS, GNSS, scanners, and other sensors into a unified environment. Designed for surveyors and construction professionals, it combines user-friendly operation with advanced tools to meet all your geospatial needs. A unique market offering, X-PAD Office Fusion is the single software solution for managing geospatial data from multiple sensors, customized to address local requirements.

X-PAD 365 – One platform, endless services

X-PAD 365, the web-based GeoMax cloud platform, was created to address data management and collaboration challenges surveyors and construction professionals meet every day. It lets you access, store and share data anytime, anywhere to stay connected 365 days a year.

Upgrade your teamwork with the Collaborative Survey and Stakeout feature that allows several users to work on the same surveying or stakeout project together, sharing real-time surveyed points and drawings in X-CHAT and immediately seeing their progress.

And with automatic and manual backup for X-PAD Ultimate, you will never lose your data.

Scan to learn more about **X-PAD Suite**

GeoMax additional offerings

Providing more to your success

GeoMax field controller - Zenius08

From survey to layout to checks, make the most of your time on site by viewing and working with your GeoMax total station and GNSS data on the rugged Zenius08 Android tablet.

Long workdays take you to challenging sites and deadlines don't wait for the weather. With the Zenius08, continue measuring even in harsh conditions thanks to a rugged, waterproof build, robust screen protection, 6 programmable hardware keys and easy operation. Stay powered through your longest days with 15-hour, exchangeable batteries.

Fitting into and improving your GeoMax field workflow, the Zenius08 paired with X-PAD Ultimate field software connects with GeoMax GNSS and total station sensors. Long-range Bluetooth connection frees you to move around the site with fewer setups, and 5G and Wi-Fi connection support data transfer and video calls with the office.

Hexagon – Guaranteed reliability

Hexagon is known for driving innovation and technological progress. As part of this group, GeoMax can guarantee its solutions work when you do.

Worldwide GeoMax technical & training services

Total Care SHIELD

The GeoMax global support team is located around the world – support is available 24 hours a day. With the Total Care Shield Warranty, GeoMax helps you keep your costs under control and reduce the downtime of your GeoMax instruments to a minimum.

GEOMAX ACADEMY

The GeoMax Academy offers customized trainings for our partners and customers, as well as regular technical online webinars. To further support our customers, the GeoMax Academy features a Help Portal with user manuals, step-by-step guides, and tutorials with automatic translation to supported languages. Continuously updated, the Help Portal evolves to ensure you have access to the most up-to-date resources.

GEOMAX

05/25 868766 enus

Copyright GeoMax AG.
Illustrations, descriptions and technical specifications are not binding and may change.

GEOMAX Authorized Distribution Partner