



GNSS Receiver

Renowned partners

Experience increased productivity and reduced failure rates thanks to the power of Hexagon's cutting-edge technology and the partnership with high-quality brands like SATEL and NovAtel.

Open & flexible configuration

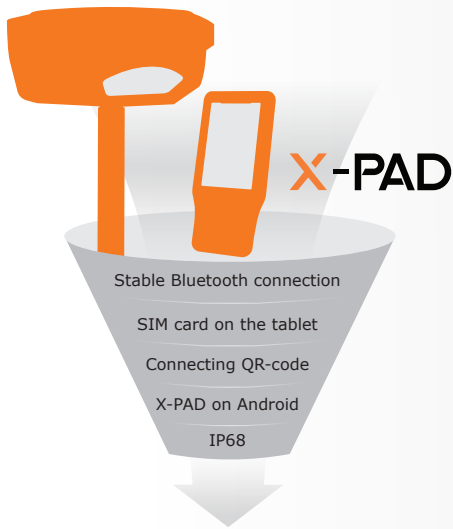
The Zenith Manager, a stand-alone application available for Windows® and Android™ operating systems, enables you to configure your receiver without using the field controller.

Affordable price

Providing top-performing technology at an affordable price, the Zenith16 GNSS receiver convinces with a remarkable performance ratio.

Seamlessly integrated into your workflow

X-PAD Ultimate's intuitive interface allows everyone to easily perform surveying and construction tasks. X-PAD Office Fusion allows direct integration and management of different types of data in one software.



By combining GeoMax field controllers and X-PAD software, the Zenith16 receiver reaches its full potential.

▪ Speed ▪ Flexibility ▪ Ease ▪ Upgraded functionality ▪ Efficiency

Receiver specifications

Q-Lock Pro™ functionality	Lowest noise and advanced multipath mitigation for highest reliability
Reliability	99.95%
Measurement Engine	NovAtel OEM7, 181 channels, dual-frequency / multi-constellation
GPS tracking	L1, L2, L2C
GLONASS tracking	L1, L2, L2C
BeiDou tracking	B1, B2 (opt)
Galileo tracking	E1, E5b (opt)
QZSS tracking	L1, L2C (opt)
Positioning rate	5 Hz
SBAS	EGNOS, WAAS, MSAS, GAGAN

Receiver accuracy (rms)*

RTK	Hz	10 mm + 1 ppm
	V	20 mm + 1 ppm
Network RTK	Hz	10 mm + 0.5 ppm
	V	20 mm + 0.5 ppm
Static	Hz	5 mm + 0.5 ppm
	V	10 mm + 0.5 ppm
Static - long	Hz	3 mm + 0.1 ppm
	V	3.5 mm + 0.4 ppm

Interfaces

Keyboard	On/off and function key
LED status indicators	Position, battery, Bluetooth®, RTK receive, RTK transmit, data storage
LED mode indicators	Rover, base, static
Data recording	Removable microSD card

* Measurement precision, accuracy, reliability and time for initialization are dependent upon various factors including number of satellites, observation time, atmospheric conditions, multipath etc. Figures quoted assume normal to favorable conditions. A full BeiDou and Galileo constellation will further increase measurement performance and accuracy.

** Depending on device configuration; without battery

Communication

UHF radio module	SATEL, 500mW, 1000 mW transceiver, 403–473 MHz; (opt)
Bluetooth®	Device class II QR-iConnect functionality
TNC connector	High sensitivity, UHF antenna
Communication port	USB, serial & power

Physical specifications

Dimensions	Height 95 mm, ø 198 mm
Weight	1.09 - 1.13 kg **
Operating temp.	-40°C to 65°C
Environmental protection	IP68 / IP66 / MIL
Humidity	100%, condensing
Vibration	Mechanical stress resistant according to ISO 9022-36-05
Shock	Withstands 2 m drop onto hard surface

Power supply

Internal battery	Removable, Li-Ion 2.6 Ah / 7.4 V
Operating time	9 h in static / 6 h in rover mode
External power	10.5 V to 28 V, LEMO® plug



1119 - 875282 enus Copyright GeoMax AG.

Illustrations, colors, product offerings, descriptions and technical specifications are not binding and may change without notice. All trademarks and trade names are those of their respective owners.



Learn more at:
geomax-positioning.com

GEOMAX AUTHORIZED DISTRIBUTION PARTNER