# GeoMax GPS/GNSS

# Zenith30 Series





## Works when you do!

At GeoMax we understand that you work in demanding environments and require excellent price-to-performance without compromising quality, that's why we build products that "Work when you do!".

The GeoMax Zenith30 introduces a GNSS system to surveyors that provides true price-to-performance and takes surveying productivity to the next level!

## **Zenith30 Mobile PC**

The Zenith30 is a rugged tablet PC with wide ranging functionality. As top performance starts with great power, the Zenith30 features an impressive 1.6GHz processor and runs the Microsoft Windows 7 Ultimate operating system. That means you will be able to work with all PC applications in the office and out in the field.

When a large display is needed to work with detailed maps or other visuals, the 7" screen of the Zenith30 makes it a great solution. And its tough enough to work in the most challenging environments.



#### Communication

The Zenith30 Mobile PC integrates modern wireless communication technologies. The 3.5G modem provides high-speed data transfer and is globally compatible with GSM, GPRS, EDGE and UMTS network providers. Connection is also possible to a wireless local area network. Bluetooth® wireless technology allows cable free communication with the GNSS antenna, radio modem and external devices.





# Zenith30

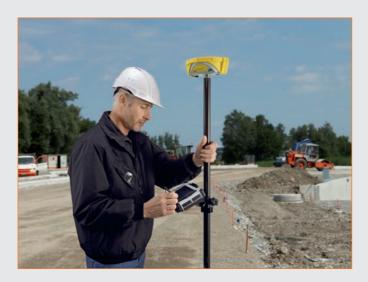


## **ZGP800A GNSS Antenna**

This multi-functional antenna can be implemented for a complete range of GNSS applications. With a pole or tripod setup, use the ZGP800A for accurate RTK positions, providing raw data for postprocessing or as a reference station.

The ZGP800A is extremely rugged, withstanding extreme temperatures and IP66 protection. No matter how demanding the conditions, you can be sure that your ZGP800A "Works when you do!".





## Quality

Equipped with state-of-the-art NovAtel GNSS technology the ZGP800A provides maximum performance. With built-in Q-Lock™ technology, all satellites are tracked with the highest possible signal strength and regular independent checks are conducted to ensure that you can work in all environments, no matter how challenging.



# **Zenith30 Series Technical Data**



#### **ZGP800A GNSS Antenna**

#### **Performance**

GeoMax Q-Lock technology 72 channels: L1 + L2/L2C GPS L1 + L2 GLONASS

SBAS

20Hz Positioning rate 8 second RTK initialization time (typical)

Satellite tracking, Bluetooth & Power indicators Bluetooth 2.0 Class 1

Hirose combined USB & Power port

### **Accuracy\***

3 mm + 0.5 ppm
5 mm + 0.5 ppm
5 mm + 0.5 ppm
10 mm + 0.5 ppm
10 mm + 1 ppm
20 mm + 1 ppm

Power supply 12V and 24V DC external power input Removable 2.2Ah / 7.4V Li-Ion battery RTK operating time over 5 hours

#### **Physical**

Weight 1.1 kg with internal battery
Operating temperature -30°C to +65°C -40°C to +80°C Storage temperature Protection from dust and water IP66

Measurement accuracy is dependant on various factors.

#### Zenith 30 Mobile PC

Super rugged mobile PC Intel Ultra low power 1.6 GHz processor 2GB DDR RAM 64GB SSD hard drive Microsoft Windows 7 operating system Sunlight readable 7" touch screen

10 keys for Power, Menu, Navigation & programmable hot keys, On-screen QWERTY keyboard 2x USB, RS232, LAN & Power ports

#### Communications

Wireless LAN 802.11 3.5G GSM/GPRS/UMTS/CDMA module Bluetooth 2.0 Class 1 Integrated GPS receiver Integrated microphone and speaker 2 megapixel camera with flash

#### **Power supply**

12V DC external power input Two removable 5.2Ah / 7.4V Li-Ion batteries RTK operating time over 12 hours

#### **Physical**

Weight 1.3 kg with batteries

-23°C to +60°C Operating temperature -40°C to +70°C Storage temperature

precision in everything

Protection from dust and water IP65



#### **About us**

GeoMax is an internationally active company developing, manufacturing and distributing quality construction and surveying instruments. We provide a comprehensive portfolio of integrated instruments for the construction, surveying and mapping industries. Both occasional and professional users are addressed with GeoMax's easy-to-use, yet highly productive, range of Total Stations, GPS, Lasers, Optical and digital levels. O» HEXAGON

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