Works when you do

Zenith06

Smart Antenna



No frills

- Simple RTK rover solution
- Compact and light design

More benefits

- Save time and money
- Perform reliable measurements
- More flexibility: Choose a GeoMax controller or bring your own device to run X-PAD

Unique Software

- Intuitive software developed with customer feedback
- No maintenance cost for field software

Scan to find out more on our
Zenith06 product page

geomax-positioning.com

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Zenith06

Simple and efficient, everything you need.



You need accurate results without having to invest in expensive and complex equipment? GeoMax has a solution: the Zenith06 smart antenna with X-PAD field software.

This simple rover and intuitive field software eliminate the need for extensive training to produce reliable outcomes. The software has an intuitive workflow, developed side by side with the customer, which allows for quick familiarisation. The maintenance for X-PAD field software comes at no extra cost.

With its compact, lightweight design, the Zenith06 is easy to carry in the field and gentler on your body.

RECEIVER SPECIFICATIONS	
Measurement Engine	184 channels, dual-frequency, multi-constellation
GPS tracking	L1 C/A, L2C
GLONASS tracking	L1OF, L2OF
Galileo tracking	E1 B/C, E5b
BeiDou tracking	B1I, B2I
QZSS tracking	L1 C/A, L2C
Positioning rate	10 Hz
RECEIVER ACCURACY AND PERFORMANCE *	
RTK	Hz: 2 cm + 1 ppm V: 3 cm + 1 ppm
Static	Hz: 2 cm + 1 ppm V: 3 cm + 1 ppm
GNSS Initialisation	Cold start: 24 sec Requisition: 2 sec
COMMUNICATION	
4G LTE modem	Available on Zenius controllers
Bluetooth®	BT4.2 LE
Communication port	USB Type C
RTK data protocols	RTCM 3.0, RTCM 3.1, RTCM 3.2, RTCM 3.3, RTCM MSM

INTERFACES	
Keyboard	On/off button
LED status indicators	Bluetooth, RTK, Position, Battery
PHYSICAL SPECIFICATIONS	
Dimensions	139 mm x 80.6 mm x 30.6 mm
Weight	340 g
Operating temp.	–40°C to +65°C
Environmental protection	IP67 water- and dustproof
Humidity	Rarely and slightly condensing. ISO 9022-12-04 (+65°C, 92%, 62h)
Vibration	Withstands strong vibration. ISO 9022-36-03-0
Shock	Withstands a 1.2 m drop onto a hard surface
POWER SUPPLY	
Internal battery	Li-Ion 3.8 V / 6.12 Ah
Operating time	> 20 h

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

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