

Works when you do



### Reliable technology

- Calibration-free IMU technology
- Electromagnetic resistance
- 4G LTE module
- SATEL UHF Radio
- NovAtel measurement engine

#### Maximum flexibility

- Field controllers: Choose GeoMax or your own device
- With or without tilt capability and/or UHF module

#### Unique Software Suite

- No maintenance cost for field software
- Automatic data backup
- Collaborative Survey & Stakeout



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# Zenith60

## Work fast and flexibly, and trust your results

Become more productive and efficient with the Zenith60's calibration-free tilt capability, making every survey faster and more convenient. The antenna is resistant to magnetic interferences, so you can enjoy the comfort of knowing you can trust your data. When combined with GeoMax field controllers and X-PAD Ultimate field software, the Zenith60 reaches its maximum performance. X-PAD provides a comfortable user experience, reducing the need for training. In addition, software maintenance for X-PAD Ultimate comes at no extra cost. By keeping your X-PERT service active, you can continuously profit from the latest software improvements.

VARIANTS	4G LTE	UHF	TILT COMPENSATION
GeoMax Zenith60 LTE		-	-
GeoMax Zenith60 LTE-UHF	-		-
GeoMax Zenith60 LTE-IMU	-	-	
GeoMax Zenith60 LTE-UHF-IMU			
<b>RECEIVER SPECIFICA</b>	TIONS		
Reliability	99.99%		
Measurement Engine	NovAtel OEM7, 555 channels, multi-frequency, multi-constellation		
GPS tracking	L1 C/A, L1C, L2C, L2P, L5		
GLONASS tracking	L1 C/A, L2 C/A, L2P, L3*		
BeiDou tracking	B1I, B1C, B2I, B2a, B2b, B3I		
Galileo tracking	E1, E5a, E5b, AltBOC, E6*		
QZSS tracking	L1 C/A, L1C, L2C, L5, L6*		
NavIC	L5**		
SBAS (EGNOS, WAAS, MSAS, GAGAN)	L1, L5		
Precise Point Positioning (PPP)	TerraStar	C Pro	, L-Band (opt)
Positioning rate	5Hz, 20H	z (opt)	
Time for Initialisation	Typically 4s		
QUALITY MODE			
RTK modes	Selectabl	e; Ext	raSafe, Standard
Tilt Compensation	Calibration-free, Resistant to magnetic interferences		
COMMUNICATION			
4G LTE module	QUECTEL LTE FDD,		-G DD, UMTS, GSM
RTK data protocols			8.0, 3.1, 3.2, 3.3, , RTCA, NOVATELX
NMEA Output	NMEA v3.	1, NMI	EA v4.1
UHF radio module			00mW, 1000mW 3-473 MHz; (opt)
Bluetooth®	2.1 +EDR, V5.0 QR-iConnect functionality		
WLAN	802.11 a/ac/b/g/n Hotspot / client mode		
TNC connector	UHF antenna		
Communication port	USB, seri	al & po	ower



RECEIVER ACCURACY	Y & PERFORMANCE ***		
RTK	Hz: 8 mm ± 1 ppm (rms) V: 15 mm ± 1 ppm (rms)		
Network RTK	Hz: 8 mm ± 0.5 ppm (rms) V: 15 mm ± 0.5 ppm (rms)		
Static	Hz: 3 mm ± 0.5 ppm (rms) V: 5 mm ± 0.5 ppm (rms)		
Static long	Hz: 3 mm + 0.1 ppm (rms) V: 3.5 mm + 0.4 ppm (rms)		
Code differential	Hz: 0.25 m (rms) V: 0.50 m (rsm)		
Tilt compensated real-time kinematic	Additional Hz uncertainty +/- 2cm up to 30° tilt		
INTERFACES			
Keyboard	On/off button		
LED status indicators	Position, RTK, Power, Bluetooth		
Data recording	Dual; microSD card and 8 GB internal memory		
GSM/TCP/IP	Removable SIM card		
POWER SUPPLY			
Two internal batteries	Hot-swappable, Li-Ion 3.4 Ah / 7.2		
Operating time	12.5 h in static / 11 h in rover mode		
External power	9 V to 28 V, LEMO <sup>®</sup> plug		
External power PHYSICAL SPECIFIC			
PHYSICAL SPECIFIC	ATIONS		
PHYSICAL SPECIFICA	ATIONS Height 75 mm, ø 166.8 mm		
PHYSICAL SPECIFICA Dimensions Weight	ATIONS Height 75 mm, ø 166.8 mm 1.14 kg without batteries		
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\*GLONASS L3, Galileo E6, and QZSS L6 will be provided with future firmware upgrade.

\*\*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.

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