

# L2

THE SMALLEST  
IMU GNSS RECEIVER

**α-GEO**

**TOP TRADE**  
Strada IACOB NEGRUZZI  
nr. 44, 011094, Bucuresti-1  
(+40)722 620 305  
e-mail:topotrade@yahoo.com  
[www.topotrade.ro](http://www.topotrade.ro)



<https://alphageo-info.com>



# THE SMALLEST GEODESIC GNSS DEVICE IN THE WORLD

L2 is the smallest geodesic GNSS device in the world so far, with a mass of less than 170g. However, the sparrow may be small but it has all the vital organs, it is equipped with a high-performance OEM board, and the number of channels has reached 1408. Supports all satellites and all frequency bands, and performs well even in complex environments. In addition, this small body is also equipped with a fast initialization, calibration free & immune to magnetic interference IMU module. All users can use this technology to collect or stakeout topo points up to 60°. Because of the ultra-small size of the device, it can basically meet the needs of various measurement scenarios, such as personnel positioning, GIS industry, pipeline measurement and so on.



## SPECIFICATIONS



<b>GNSS Performance</b>	<b>Satellites signals tracked simultaneously</b>	GPS :L1C/A,L1C,L2C,L2P(Y),L5 BDS :B1I,B2I,B3I,B1C,B2a,B2b* SBAS:L1,L2,,L5 QZSS:L1,L2,L5,L6* Galileo:E1,E5a,E5b,E6* GLONASS:L1,L2
	<b>Channels</b>	1408 tracking channels
	<b>Accuracy</b>	Horizontal: 8 mm+1 ppm RMS Vertical: 15 mm+1 ppm RMS
	<b>Speed</b>	≤0.03m/s
	<b>Start time</b>	Cold Start≤30s, Hot Start≤3s
<b>Electrical</b>	<b>Battery</b>	Built-in lithium-ion battery
	<b>Capacity</b>	1800mAh/8.4v, ≥10h working time
	<b>Interface</b>	Type-c 5V/2A
<b>Communication</b>	<b>Data Interface</b>	Type-C
	<b>Bluetooth</b>	Bluetooth V4.0
<b>Environmental</b>	<b>Water/Dust proof</b>	IP65/IP67
	<b>Shockproof</b>	Survive a 2m pole drop onto concrete
	<b>Operating Temperature</b>	-20°C to 75°C
	<b>Storage Temperature</b>	-40°C to 85°C
<b>Button &amp; Indicators</b>	<b>Button</b>	1*Power Button
	<b>Indicators</b>	1*Power Light, 1*Bluetooth Light, 1*Data Light,1*Satellite Light
<b>Physycal</b>	<b>Dimension</b>	118mm×52mm×36mm
	<b>Weight</b>	≤170g

