Leica Zeno FLX100 plus Smart Antenna

Data sheet



Location data is a commodity that underpins decision making no matter the industry.
The Leica Zeno FLX100 plus smart antenna captures spatial data in a simple and flexible way allowing you the freedom to work how you want.
A universal handheld tray enables you to pair the FLX100 plus with your own smartphone or tablet. For higher accuracy data capture just use a survey pole leveraging HxGN SmartNet RTK technology.
Use Leica Zeno Mobile for the ultimate experience in professional data capture or pair with Leica Zeno Connect to enable high accuracy positioning in other data collection apps on various operating systems.

Leica FLX100 plus is your flexible solution from a trusted partner.

LEICA ZENO FLX100 plus SMART ANTENNA:

- **GIS data collection made easy:** Simplify your workflows and unfold new ways of working.
- **Centimetre accuracy compact GNSS:** Real multifrequency tracking with 2 cm horizontal (2D) accuracy in an ultra-portable housing.
- **Build your GIS handheld solution:** Pair the FLX100 plus with the universal handheld tray and your mobile device to create the handheld solution that fits your needs.
- **Use any Android, iOS or Windows mobile device:** The FLX100 plus is compatible with all major operating systems.
- **Use Zeno Mobile or any other data collection app:** Combine with Zeno Mobile or your selected 3rd party software to maintain existing workflows.
- **Rugged, made for tough worksites:** Be ready to face the toughest conditions. The FLX100 plus is protected against water, dust and drops from 1.2 meters.
- **Leica Geosystems support and service:** Benefit from 2 years of warranty and Leica's professional service and support.

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GNSS TECHNOLOGY

Horizontal real-time accuracy	RTK (Multi-frequency): 2 cm + 1 ppm* SBAS (L1 only): <0.9 m* Navigated: 1.2 m*
Vertical real-time accuracy	RTK (Multi-frequency): 3 cm + 1 ppm*
Post-processing accuracy static mode	Horizontal: 2 cm + 1 ppm* Vertical: 3 cm + 1 ppm*
Satellite signal tracking	■ GPS (L1 C/A, L2C) ■ Glonass (L1OF, L2OF) ■ BeiDou (B1I, B2I) ■ Galileo (E1B/C, E5b) ■ QZSS (L1C/A, L2C) ■ SBAS: WAAS, EGNOS, MSAS, GAGAN (L1 C/A)
Number of channels	184 channels
Update rate	Up to 10 Hz (0.10 sec)
Supported operating systems	■ Android ■ iOS ■ Windows
Real-time protocols	RTCM 3.0, RTCM 3.1, RTCM 3.2, RTCM 3.3, RTCM MSM
GNSS initialization	■ Cold Start: 24 sec ■ Reaquisition: 2 sec
User interface	On/Off key status indicator (LED): satellite tracking, corrections, Bluetooth® communication and battery power
Communication port	Bluetooth® 5.0

POWER MANAGEMENT

Battery	Internal (3.8 V / 6120 mAh)
Battery charging time	4 hours to full charge
Power	DC 5V/2A
Operating time	>20 hours

PHYSICAL SPECIFICATIONS

Weight and dimensions	319 g, 139 mm x 80.6 mm x 31 mm
Proof against water, sand and dust	IP67
Operating/Storage temperature range	■ Operating: –40 to 65 °C ■ Storage: –40 to 80 °C
Humidity	Rarely and slightly condensing. ISO 9022-12-04 (+65 °C, 92 %, 62 h)
Drop	1.2 m
Vibration	Withstands strong vibration. ISO 9022-36-05 (10-55 Hz / ±0.15 mm / 5 cycles)



GG04 PLUS SMART ANTENNA

Survey grade GNSS receiver.
RTK, Multi-constellation, Multi-frequency
1cm + 1ppm
Multipath mitigation

GPS, GLONASS, Galileo, BeiDou, QZSS, SBAS

iOS, Android and Windows support

Precise Point Positioning (PPP) for cm level accuracy without Internet connection



LEICA ZENO TAB 2

Android 8.0

8" sunlight readable screen (1280 x 800)

IP67 & 1.2 m drop resistant, MIL-STD-810G, MIL-STD-461F

GSM, Wi-Fi, Bluetooth®, NFC

ZENO MOBILE

Intuitive feature editing and attribute entry

Professional multi-collect and stakeout tools available

Create and connect to RTK sources

Comprehensive coordinate system support and configuration

Made for iPhone | iPad

Swiss Technology by Leica Geosystems

ArcGIS System Ready Specialty

* Measurement precision under good to favourable conditions. Accuracy and reliability depend upon various factors including number of available satellites, geometry, proximity to base station, multipath effects, ionospheric conditions, etc

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Support of different iOS and Android versions cannot be guaranteed at all times as operating system updates are out of Leica Geosystems control. Leica Geosystems publishes a list of fully tested and verified operating system versions on the customer information portal myWorld.

Leica Geosystems AG
Heinrich-Wild-Strasse
9435 Heerbrugg, Switzerland
+41 71 727 31 31

- when it has to be **right**

Leica Geosystems