

Leica Zeno FLX100 Smart Antenna Data sheet



Location data is a commodity that underpins decision making no matter the industry.

The Leica Zeno FLX100 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 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, is your flexible solution from a trusted partner.

LEICA ZENO FLX100 SMART ANTENNA:

- **GIS data collection made easy:** Simplify your workflows and unfold new ways of working.
- **Centimetre accuracy compact GNSS:** Real multifrequency tracking with accuracy <2 cm horizontal (2D) accuracy in an ultra-portable housing.
- **Build your GIS handheld solution:** Pair the FLX100 with the universal handheld tray and your mobile device to create the handheld solution that fits your needs.
- **Use any Android or Windows mobile device:** The FLX100 is compatible with devices running Windows or Android.
- **Use Zeno Mobile or any other data collection app:** Combine with Zeno Mobile or expand the possibilities in your selected 3rd party software.
- **Rugged, made for tough worksites:** Be ready to face the toughest conditions. The FLX100 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.

Leica Zeno FLX100 Smart Antenna

GNSS TECHNOLOGY

Horizontal real-time accuracy	RTK (Multi-frequency): <2cm + 1ppm*
Vertical real-time accuracy	RTK (Multi-frequency): <3cm + 1ppm*
Post-processing accuracy static mode	Horizontal: <2cm + 1ppm* Vertical: <3cm + 1ppm*
Satellite signal tracking	<ul style="list-style-type: none"> ■ GPS (L1 C/A, L2C) ■ Glonass (L10F, L20F) ■ BeiDou (B1, B2) ■ Galileo (E1B/C, E5b) ■ QZSS (L1C/A, L2C) ■ SBAS: enabled through future firmware update
Number of channels	184 channels
Update rate	Up to 10 Hz (0.10 sec)
Supported operating systems	<ul style="list-style-type: none"> ■ Android ■ Windows
Real-time protocols	RTCM 3.0, RTCM 3.1, RTCM 3.2, RTCM 3.3, RTCM MSM
GNSS initialization	<ul style="list-style-type: none"> ■ Cold Start: 24s ■ Reacquisition: 2s
User interface	On/Off key Status indicator (LED): satellite tracking, corrections, Bluetooth® communication and battery power
Communication port	Bluetooth® LE 4.2

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	313g, 136 mm x 78 mm x 30.5 mm
Proof against water, sand and dust	IP67
Operating/Storage temperature range	<ul style="list-style-type: none"> ■ Operating: -40 to 65°C ■ Storage: -40 to 80°C
Humidity	Rarely and slightly condensing. ISO 9022-12-04 (+65°C, 92%, 62h)
Drop	1.2m
Vibration	Withstands strong vibration. ISO 9022-36-05 (10-55 Hz / ±0.15 mm / 5 cycles)



GG04 PLUS SMART ANTENNA

RTK, Multi-frequency < 1 cm + 1ppm	Android 8.0	Intuitive feature editing and attribute entry
GPS, GLONASS, Galileo, BeiDou, QZSS, SBAS	8" sunlight readable screen (1280 x 800)	Professional multi-collect and stakeout tools available
IP66 and IP68 & 1 m drop resistant	IP67 & 1.2 m drop resistant, MIL-STD-810G, MIL-STD-461F	Create and connect to RTK sources
Bluetooth®, 8-pin Lemo combined USB / Serial 232 port	GSM, Wi-Fi, Bluetooth®, NFC	Comprehensive coordinate system support and configuration



LEICA ZENO TAB 2



ZENO MOBILE

* 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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