# SOKKIA

Atlas
Advanced GNSS Receiver

- **226-channel system technology**
- **GNSS full wave antenna technology**
- **Optimized tracking channel technology**
- **Fully integrated radio and cellular configuration**
- **32GB SDHC storage support**
- **Dual hot-swappable batteries**

Software

MAGNET® software is tailored for use with Sokkia field controllers in both field and office environments.

MAGNET® Enterprise

A managers dream of tracking all field and office data in one simple-to-access web interface. Store and exchange your field data in the MAGNET Enterprise cloud. Save the drive time by sending your field and office updates to the cloud rather than driving back to the office.
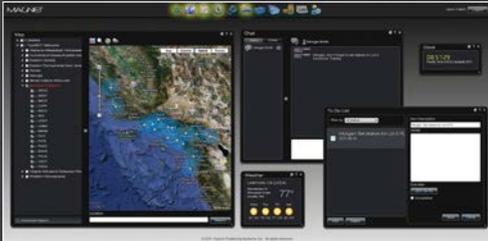
MAGNET® Office

Full CAD functionality with MAGNET Office Site and Topo. Or field data-processing with MAGNET Office Tools inside AutoCAD® products, like Civil3D®. The MAGNET Office solution has what you need. Pick the module that fits your needs.
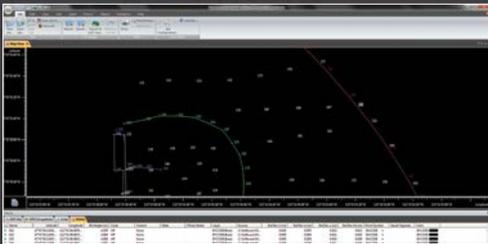
MAGNET® Field

Powerful on-board software that covers full functions for surveying and engineering tasks. MAGNET Field handles data collection, stake out, roads and coordinate geometry.

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ADVANCED GNSS RECEIVER

SPECIFICATIONS

Tracking Capability	
Number of Channels	226-Channel System Technology with up to 112 satelites tracked
Tracked Signals	GPS: L1/L2 C/A, L2P, L2C, L5 GLONASS: L1/L2 C/A, L1/L2 P Galileo*: E1, E5a, E5b, AltBOC BeiDou: B1, B2 SBAS: L1 C/A WAAS/MSAS/EGNOS QZSS: L1 C/A, L2C, L5
Antenna Type	Integrated Antenna with Ground Plane

Accuracy (RMS)**	
RTK	H: 10 mm + 1.0 ppm V: 15 mm + 1.0 ppm
Static†	H: 3.0 mm + 0.1 ppm V: 3.5 mm + 0.4 ppm

Communication	
Optional Radio Type	Integrated UHF
Base Radio Output	1.0W, user selectable
Optional Cellular	Integrated HSPA
I/O Communications	Bluetooth® RS232 serial USB
Connectors	BNC modem antenna Power RS232 serial USB

Data and Storage	
Memory	Removable SD/SDHC Card
Data Update/Output Rate	1Hz - 50Hz Selectable
Real Time Data Output	TPS, RTCM 2.X, RTCM 3.X, RTCM MSM, CMR, CMR+
ASCII Output	NMEA 0183 version 2.x and 3.0

General	
Power	Batteries: Dual rechargable external hot-swappable Li-ion, 3900 mAh, 7.2 V External: Single power port
Dimensions (w x h x d)	6.22" x 9.96" x 6.22" (158.1 x 253 x 158.1 mm)
Weight	With batteries: 4.14 lb (1.88 kg) Without batteries: 3.17 lb (1.44 kg)
Mounting	5/8-11, quick disconnect
Dust/Water Protection	IP66
Operating Temperature	Batteries: -22°F to 140°F (-30°C to 60°C) External Power: -40°F to 158°F (-40°C to 70°C)
Enclosure	Magnesium I-Beam Housing
Shock Rating	2 m pole drop to concrete, IEC 60068-2-29, and IEC 60068-2-27
Vibration Rating	Compliance with MIL-STD 810F - 514.5 - Cat.24

* Support for Galileo signals is incorporated. Positioning solution with these signals will be integrated and made available when the constellation has matured and is ready for commercial use.
** Subject to multipath anomalies and atypical satellite geometry. GNSS survey best practices must always be applied.
† Under nominal observing conditions and strict processing methods, including use of dual frequency GPS, precise ephemerides, calm ionospheric conditions, approved antenna calibration, unobstructed visibility above 10 degrees and an observation duration of at least 3 hours (dependent on baseline length).

Your local Authorized Dealer is:

SOKKIA

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