

SXPro

GNSS

The SXPro GNSS is a complete solution that combines the positioning technology and versatility of a handheld computer.

It is the ideal solution for collecting survey data and operating measurement points. It allows to reach a submetric position instantly thanks to GPS, GNSS and SBAS satellite signals..

This handheld computer is compact, ergonomic and lightweight. It is equipped with the Windows Mobile 6.5 Pro operating system and a 1 GHz processor.

The SXPro has a 3.7-inch VGA colour touchscreen display with a storage capacity of 1GB (ROM) and a 4GB micro SD.

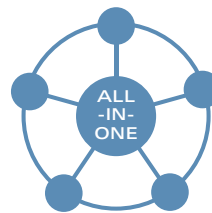
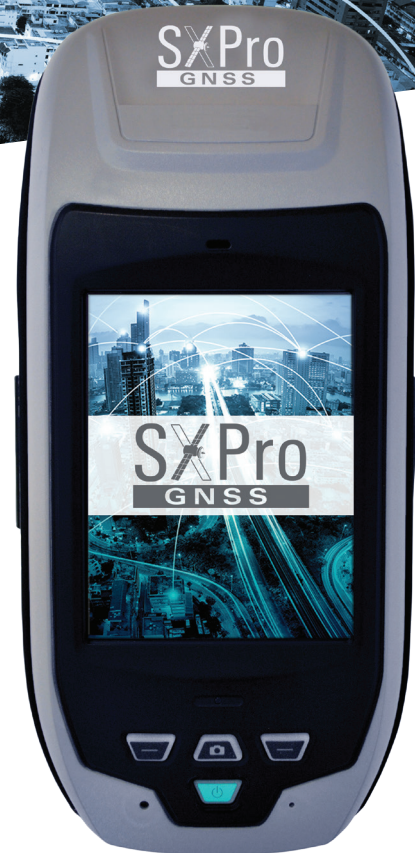
The integrated GSM/GPRS modem allows access to the 3G / 4G network using a SIM card. Wi-Fi and Bluetooth connections are also available to transfer your data efficiently and quickly.

The SXPro is robust and durable enough to operate normally in harsh environments and conditions. It is resistant to water, dust and falls (1.2 metres). It is operational in temperatures ranging from -10°C to + 55°C.

Field software compatible with Windows Mobile 6.5. can be installed such as MicroSurvey FieldGenius, ArcGis, Carlson Surveyor, Geo-Plus, etc.

APPLICATIONS

- Point measurement
- GIS
- Cartography
- Surveying
- Field campaigns
- Core drilling
- Sample plot



DATA COLLECTOR
WI-FI
GPS
MEMORY
HIGH ACCURACY GNSS MODULE

KEY FEATURES

- 162 channels for multi-constellation GNSS support
- Windows Mobile 6.5 pro
- Integrated GPRS/GSM, Bluetooth and Wi-Fi modem
- Battery life of 10 hours or more
- FCC approved

SPECIFICATIONS

SYSTEM

OS	Windows Mobile 6.5 Pro
CPU	1 GHz, 512 MB DDR
Memory	1 GB Flash, Micro SD up to 4 GB
Camera	5.0 MP with AF
Display	3.7" VGA (480 x 640), sunlight readable
Battery	3.7 V, 9300 mAh

GNSS SENSOR

Channels	162
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RECEIVER TYPE

GPS	L1 C/A
GLONASS	L1
BeiDou	B1
SBAS	L1 C/A
Update Rate	1 Hz default, optional 10 or 20 Nmea-0183 Support RTCM2.x / RTCM3.x / CMR / CMR+

PERFORMANCE & POSITIONING

Time to First Fix (TFF)	Cold Start	<60 seconds
	Warm Start	<30 seconds
	Signal	<2 seconds
	Re-Acquisition	
DGNSS	Horizontal	0.30 m + 1 ppm
	Vertical	0.60 m
SBAS	Horizontal	0.50 m
	Vertical	0.85 m
Post-Processing ¹	Horizontal	5 mm + 0.5 ppm (Static)
		10 mm + 1 ppm (Kinematic)
	Vertical	5 mm + 1.0 ppm (Static)
		20 mm + 1 ppm (Kinematic)

NOTES :

¹ Depends on multipath environment, number of satellites in view, satellite geometry, baseline length (for local services) and ionospheric activities

COMMUNICATION

Cellular Modem	3.5 G
GPRS / EDGE	850 / 900 / 1800 / 1900 MHz
Bluetooth	V2.0 + EDR
Wi-Fi	802.11 b/g

PHYSICAL

Size	210 mm x 95 mm x 45 mm
Weight	575 g (with battery)
Key	Power key, F1 and F2 application key and Camera key

ENVIRONMENT

Operating Temperature	-20 °C to 55 °C
Storage Temperature	-20 °C to 70 °C
Charging Temperature	0 °C to 45 °C
Dust & Water	IP65
Drop	1.2 m
Vibration	Method 514.5
Relative humidity	95 % non-condensing

CONNECTORS

- Internal microphone and speaker
- Fischer to USB connector
- Fischer to RS-232 connector
- SIM socket
- SDHC card socket

STANDARD ACCESSORIES

- Li-Ion Battery (2)
- Stylus
- DC Adapter
- Charging Cable
- USB to 9pin Fischer Cable
- DB-9 to 9pin Fischer Cable
- TF Card-4G
- Docking Station
- Neck Strap
- Mounting Bracket And Pole (Claw) Clamp
- Hard Carrying Case

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