

# 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.

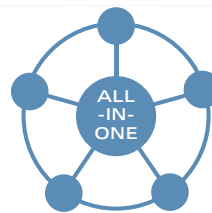
The integrated GSM/GPRS modem allows access to the 3G / 4G network using a SIM card. Wi-Fi and Bluetooth connections are also available to transfer your data efficiently and quickly.

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, 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 |
|----------|-----|

## RECEIVER TYPE

|             |                                                                                     |
|-------------|-------------------------------------------------------------------------------------|
| GPS         | L1 C/A                                                                              |
| GLONASS     | L1                                                                                  |
| BeiDou      | B1                                                                                  |
| SBAS        | L1 C/A                                                                              |
| Update Rate | 1 Hz default, optional 10 or 20<br>Nmea-0183 Support<br>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 <sup>1</sup> | 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 :

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

## COMMUNICATION

|                |                             |
|----------------|-----------------------------|
| Cellular Modem | 3.75 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, Lemo 9pin
- 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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