

SXPro

RTK



GENEQ inc.

The latest in GNSS technology is now available, introducing our new SXPro RTK

The **SXPro RTK** is a rugged «All-In-One» GNSS & RTK Data Collector with 220 Channels of multi-constellation designed to achieve **real time** sub-meter SBAS positioning or centimeter accuracy with RTK networks.

The **SXPro** is equipped with a 624 MHz CPU processor, 256 MB DDR RAM, a 5.0 MP camera with AF, microphone, speaker and GPRS/EDGE-Cellular network connection using a SIM card.

The Dual Frequency **SXPro RTK** supports both L1 and L2 from GPS and GLONASS plus the E1 frequency from Galileo. This delivers the quickest and most reliable RTK initializations for 1-2 centimeter accuracy.

The **SXPro features** a 3.7" VGA Outdoor-Viewable Color Touchscreen.

Fully rugged (IP65) with operating temperature of -20 C to + 60 C.

Running Windows Mobile 6.5 Professional, the **SXPro RTK** comes with a full range of Microsoft utilities. Use it with ArcGis, Carlson Surveyor, Géo-Plus, Micro Survey FieldGenius, or our SXBLUE RTN or any other software to achieve GIS accuracy in Forestry, Mining, Utilities and Environmental applications.



Key Features

- 220 Channels for multi-constellation GNSS support
- Double Frequency
- 0,008m + 1 ppm Horizontal in RTK Mode
- Windows Mobile 6.5 pro
- Built-in GPRS/EDGE modem, Bluetooth and Wi-Fi
- 5 Megapixel Autofocus Camera
- Battery life is 6 hours or more
- FCC Approved

SPECIFICATIONS



SYSTEM

Windows Mobile: 6.5 Pro, 624 MHz CPU, 256MB DDR
Camera: 5.0MP with AF
512 Flash, Micro SD up to 8GB
3.7" VGA (480 x 640), sunlight readable
Receiver: Mic and Speaker
Battery: 3.7 V, 6200MAH battery
Charging Time: 8 Hours (Standard)

GNSS SENSOR

Channels : 220 Channels

RECEIVER TYPE

GPS: L1 C/A, L2E, L2C
Glonass: L1, L2 C/A
Galileo: E12
QZSS: L1 C/A, L1 SAIF, L2C
SBAS: L1 C/A

Nmea-0183 Support
RTCM2.x / RTCM3.x / CMR / CMR+ / CMRx
RTK initialization time : typically <10s
RTK initialization reliability : >99%

FEATURES

Time to First Fix (TFF)	Cold Start	<45 seconds
	Warm Start	<30 seconds
	Signal Re-Aquisition	<2 seconds
RTK Accuracy	Horizontal	0.008 m + 1ppm
	Vertical	0.015 + 1ppm
DGNSS	Horizontal	0.25m+1ppm
	Vertical	0.50m
SBAS	Horizontal	0.50m
	Vertical	0.85m

COMMUNICATION

Cellular modem: 3.5G
GPRS / EDGE: 850 / 900 / 1800 / 1900 MHz
Wifi: 802.11 b/g
Bluetooth: V1.1 + EDR

PHYSICAL

Size: 210 mm x 95 mm x45 mm
Weight: 575g (with battery)
Key: Power key,
F1&F2 application key and Camera key

ENVIRONMENT

Operating Temperature: -20°C - 60°C
Storage Temperature: -30°C - 70°C
Charging Temperature: 0°C - 45°C
Sand, Dust & Water: IP65
Drop: 1.2m
Vibration: Method 514.5
Relative humidity: 95% non-condensing

CONNECTORS

Internal microphone and speaker
Fisher to USB connector
Fisher to RS232 connector
SIM socket
SDHC card socket

STANDARD ACCESSORIES

Li-ion Battery
Stylus and Strap
USB Cable
AC Power Adapter
TF Card, 4G
Carrying case

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