# SinoGNSS®
By ComNav Technology Ltd.

# R200 Controller

## Features

- **Windows Mobile 6.1/6.5Pro OS**
- **MIL-STD 810G and IP65 certified**
- **Pressure sensitive touchscreen**
- **3.7'' sunlight readable display**
- **5 MP digital camera**
- **Compact design with long battery life**
- **27 numeric & programmable keypad**
- **3G, Long range Bluetooth® and Wi-Fi Wireless connectivity**

## Deliver More with Less

R200 is an industrial handheld, integrated GNSS controller, providing meter-level positioning. With DB9 series port, Wi-Fi and 3G, the R200 is ready for your high-accuracy GIS applications.

## Rugged Design

Fully-rugged design protects the R200 from dust and water, which is able to operate in temperature from -20 °C to 60 °C. It features a 3.7'' sunlight readable display and sensitive touchscreen, combined with numeric and programmable keypad, the R200 meets your toughest surveying demands.

## Designed for Flexibility

Powered by Windows Mobile® 6.1 or 6.5 Pro OS, the R200 is compatible with most of Windows-based field software, convenient to select optimal filed software for your application needs. With 5 megapixel camera, the R200 is perfect for GIS mapping.

## High-speed Internet Connectivity

Wi-Fi and Built-in 3G cellular modem make it possible to connect the internet wherever and whenever you want. It allows you to access real-time maps, web based services and update survey data in real time.

## Overview

- Windows Mobile 6.1/6.5 operating system•
- 3.7" VGA sunlight readable screen
- Display resolution: 480 x 640
- 806 MHz processor with Graphics Accelerator
- 5 megapixel camera
- 27 numeric & programmable keypad

## Signal Tracking and Positioning

- 167 Channels
- GPS L1, GLONASS L1 and SBAS support
- External antenna connector
- Hot start: 1s
- Cold start: 29s
- Positioning Accuracy

  -Standalone: 3m

  -SBAS: 2.5m

## Communications

- WLAN 802.11 b/g/n
- 3G WWAN (voice and data)
- V2.1 Class 2 Bluetooth® & optional long range Bluetooth®
- NFC support (optional)
- USB Port
- RS232 Serial Port
- Built-in microphone and speaker
- NMEA 0183 protocol support

## Physical

- Working environment: -20 °C to +60 °C
- Storage temperature: -30 °C to +70 °C
- Dimensions (L x W x H): 200mm x 96mm x 32mm
- Weight: 515g with battery
- IP65 standard Dust proof and waterproof
- Shock: withstand 1.2 meter / 4 foot drop
- Vibration: MIL-STD810G

## Electrical

- Li-battery Capacity: 6500mAh, 3.7V
- Power input: DC 5V, 1A
- ROM: 1GB
- RAM: 256MB
- Extensible TF card, up to 32GB

## Included Accessories

- AC adapter × 1
- USB cable × 1
- Hand strap × 1
- Battery × 1
- Stylus pen and tether × 1

Specifications subject to change without notice.