

SOKKIA

SHC500

Ruggedized Field Controller



- Large Sunlight-Readable Display
- MIL-STD 810G and IP68 Certified
- 1 GHz Processor
- 5 MP Camera
- 3.5G Cellular Module (optional)
- Internal GPS 2-5 m Accuracy

SHC500

Ruggedized Field Controller

SPECIFICATIONS

SHC500 Field Controller

The Sokkia SHC500 field controller is designed for the construction, mapping and survey professional operating MAGNET® software and works with all Sokkia GPS receivers and total stations. An optional 3.5G cellular modem provides access to MAGNET Enterprise for sending and receiving data files and staying connected.

The SHC500 includes a capacitive touch screen, similar to many of the smartphones used every day. The display surface is also extremely scratch-resistant, and much more pierce-resistant to sharp objects as compared with other resistive displays.

With the SHC500's internal "intelligent" batteries, there is no worry of ever overcharging. Typical battery life is tested to 20 hours with excellent performance under extreme conditions. Recharging is fast and comes to a 50 percent charge in as little as an hour.

The SHC500's external ports are located at the base of the unit: USB Host, USB client micro, power, and audio. The USB Host A is easily used in the field to quickly copy a large job, coordinate or DXF files to the SHC500. The DB9 serial port is perfect for older total stations that still require a cable.

Hardware	
Processor	1 GHz ARM Cortex A8 i.MX53
Operating System	Microsoft® Windows Embedded Handheld 6.5
Memory and Data Storage	512 MB RAM 8 GB flash storage User accessible Micro SD/SDHC slot
Camera (Geo, Geo 3G)	5 MP with autofocus and LED Flash with video capture
Power	12/24 VDC power input jack Intelligent Li-Ion battery 3.6 VDC at 10,600 mAh
Communication	
Ports	COM1 RS-232C 9-pin D Connector with 5 VDC power output USB Host (Full A) USB Client (Micro)
Wireless Connectivity	Bluetooth® Wi-Fi 802.11 b/g/n
Cellular Connectivity (Geo 3G only)	Integrated Worldwide 800/850/900/1800/1900/2100 MHz UMTS/HSPA+

Standard Accessories

- SHC500 field controller
- International plug kit
- Quick start guide
- Screwdriver
- Battery and charger
- USB cable
- Hand strap
- Stylus



Built to Survive

In addition to IP68 certification, which protects against dust and is waterproof up to one meter, the SHC500 is independently certified to MIL-STD 810G standard, and can operate in temperatures ranging from -30°C to 60°C.



Built-in 5 MP camera

A 5 MP auto focus camera with LED flash comes as standard equipment. Store hundreds of photos on the built-in 8 GB's flash storage, and easily transfer them to a computer or USB stick.



Fast 1 GHz processor

Windows Mobile® 6.5 provides a modern operating environment and added expandability with other software applications. The 1 GHz processor drives any Sokkia field application software with ease.



Cellular Modem (optional)

The optional internal cellular modem is capable of data communicating with MAGNET products to send and receive data to the cloud, making it easy to communicate with field crews when projects need to be changed.

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