SHC2500

Rugged, Alphanumeric
Handheld Controller

SOKKIA

624MHz XScale Processor with Windows® CE.NET 5.0 Operating System

Windows CE.NET operating system provides a modern operating environment and added expandability with other application software. The fast 624MHz processor leads in performance and reliability. Simple and familiar functionality leads to short learning curves. It also allows higher resolution images to be processed.

Extra Memory

The SHC2500 is loaded with all the memory you should need. Primary program ram is 256MB. In addition, it includes 2GB Flash storage memory.

USB Flash Drive

Use the USB mini port as both a Host and Client. This On-The-Go functionality allows for expanded memory and easy file transfer through USB flash drives or ActiveSync connection. This design also provides rugged protection. The SHC2500 can not be compromised by opening a card door or flap. The entire unit is sealed and submersible.

Bluetooth® Wireless Technology

Bluetooth wireless technology and Wireless LAN comes standard. No need for expensive upgrades or CF cards. The SHC2500 comes with the ability to turn them off as well to conserve battery power when Bluetooth functionality is not needed. Use your device in a typical Hotspot to surf the web, check weather, e-mail files back to the office, etc.

5.17 Megapixel Camera

That's right, a full 5.17 megapixel camera with auto focus picture taking ability. The camera has an auto-focus function and a flash illumination.
Store photos in BMP or JPG format, and if you fill the memory, simply
use a common USB flash drive to offload images. This highly advanced camera can be used to associate photos with stored SSF points as
Photo Notes. For every topo shot, as photo note can be stored.

Bar Code Reader

The digital camera doubles as a bar code reader. Laser pointers identify the bar code and scan that information directly into the text field you have your cursor placed. Imagine your stakeout locations having a bar code attached to the stake. Simply place your blinking cursor into the description or point number field of SSF and press the Bar Code scan button. The field will fill with the bar code information.

Waterproof and Rugged

The SHC2500 is rated at IP-67, which means it can be temporarily submersed in water. The unit also has a 4 foot drop proof rating.

Integrated
Tripod Hook

Camera
Flash

5 Megapixel
Camera

2 Li-ion
Removable Batteries

Hot Swappable
Battery

Bright
Touch Screen

Bar Code
Button

Speaker

Camera
Button

8-Way
Arrow Key

Numeric Keys

Alphabet Keys with
Special Characters

Microphone

USB Mini-B Port
Host/Client

Sokkia
Stylus

Power Connector

RS-232C
(D-Sub 9-Pin)

Rubber
Port Covers

Alphanumeric, Ruggedized Design

If you are looking for an alphanumeric controller plus joystick that provides big-time results, look no further than Sokkia's SHC2500. The SHC2500 field controller incorporates the graphical Windows® CE.NET 5.0 operating system on a crisp, bright, color touch screen display that makes your field data come alive.

Removable, Hot Swappable Battery Packs

With two Li-ion batteries loaded standard with 2500mAh each, battery performance can be as high as 50 hours. The typical power drain from a Bluetooth connection to a GPS receiver will run for 24 hours. Don't ever worry about overcharging, the SHC2500 has internal temperature monitors to prevent any unexpected high temperature issues.

SHC2500

- 624 MHx Xscale processor
- 5.17 megapixel camera and bar code reader
- 256MB RAM, 2GB ROM
- Built-in wireless connectivity
- Windows® CE.NET 5.0 operating system
- 55 key alphanumeric keyboard,
- 8 way directional arrow and enter key
- Easy access USB port
- Accessible, rechargeable and hot-swappable batteries

SHC2500 General Specifications

Microprocessor	XScale PXA 270
Processor Speed	624 MHz
Operating System	CE.NET 5.0
Memory	256MB SDRAM, 2GB System Flash
Display	
Display Resolution	320 x 240 QVGA
Type	3.52 in. TFT Color LCD, Sunlight-readable
Light	LED Back Light
Touch Panel	Amorphous Silicon Active Matrix
Keyboard	55 Keys plus Arrow Key
LED	6 LED Indicators
Interface	RS-232C (D-Sub 9pin), Mini USB 2.0 (host/client)
Audio	Integrated Speaker and Microphone
Wireless Communication	Bluetooth Ver. 1.2, Class 2 Wirelss LAN 802.11 b/g
External Power	12-18 VDC (36 Watts)
Dust/Water Protection	IP67 (IEC 60529)
Humidity	Up to 95% (non-condensing) (MIL-STD 810F Method 507.4)
Operating Temperature	-4 to +122ºF (-20 to +50ºC)
Storage Temperature	-4 to +158ºF (-20 to +60ºC)
Drop and Shock	4ft. all faces (MIL-STD 810F Method 516.5IV)
Operating Time	40 hours (typical), Configuration Dependent
Charging Time	Approx. 3 hours
Batteries	2 Hot-swappable, Li-ion Rechargeable, 2,500mAh each, 7.4V
Dimensions	10.85in. x 5.34in. x 2.19in.
Screen Dimensions	2.89in. x 2.19in.
Weight	2.3 lbs. with Dual Batteries, 2.42 lbs. with RS-1
Regulatory Compliance	FCC Part 15 • CE • IC • RoHS WEEE • C-tick • EU Battery Directive

Camera Specifications - Rugged True-Camera System

Image Sensor	5.17MP Color CMOS Sensor (4MP Processed) Auto-focus, Mechanical Shutter, Aperture and 4 LED Illuminators
Resolutions	QSXGA: 2048 x 1944, SXGA: 1280 x 960 VGA: 640 x 480, HF: 320 x 200

Total Solution - Maximize the use of Sokkia's SHC2500 with Spectrum Survey Field

- Large graphical user interface (GUI)
- Intuitive Operation
- Graphical Stakeout
- Available for Windows® PC, Windows CE, Windows Mobile®, handhelds or on-board
- Single source solution
- Advanced roading available
- Map view data collections
- Fast job management and storage

LASER RADIATION
AVOID DIRECT EYE EXPOSURE
MAX 5mW LD 635-690nm
CLASS3R LASER PRODUCT
IEC 60825-1 Am,2 2001

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