SHC2500

Rugged, Full-Alphanumeric
Data Collector

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 memory.

USB Flash Drive

Use the USB mini port as both Host and Client. This On-The-Go functionality allows for expanded memory and easy file transfer through USB drives or ActiveSync connection.

Bluetooth® and WLAN

Bluetooth and Wireless LAN come standard. No need for expensive upgrades or CF cards. Use your device in a typical Hotspot to surf the web, check weather, e-mail files back to the office, etc.

5MP Camera for Pictures and Bar Codes

5 megapixel camera provides picture taking ability. The camera has an auto-focus function and 4 LED flash illuminators.
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 points as Photo Notes. For every topo shot, as photo note can be stored.
The SHC2500 also reads bar codes using this camera.

Waterproof and Rugged

The SHC2500 is rated at IP67, which means it can be temporarily submersed in water. The unit also has a 1.2m drop proof rating.

Tripod Hook

Bright Touch Screen Display

Camera Flash

Bar Code Button

Speaker

Camera Button

5 Megapixel Camera

8-Way Arrow Key

Numeric Keys

Alphabet Keys with Special Characters

Microphone

2 Li-ion Removable Batteries

USB Mini-B Port Host/Client

Stylus

Power Connector

RS-232C (D-Sub 9pin)

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 data collector incorporates the Windows CE.NET 5.0 operating system on a crisp, bright, color touch screen display that makes your field data come alive.

Removable, Li-ion Battery Packs

The SHC2500 contains two removable Li-ion batteries that supply power for up to 40 hours. Manually selectable suspend mode or auto-suspend function conserve battery power while the instrument is not used.
Batteries can be easily replaced on work site.

SHC2500 General Specifications

Microprocessor	XScale PXA 270
Processor Speed	624 MHz
Operating System	Windows CE.NET 5.0
Memory	256MB SDRAM, 2GB Flash Memory
Display	
Display Resolution	320 x 240 QVGA
Type	3.52 in, Sunlight-readable TFT Color LCD
Touch Panel	Amorphous Silicon Active Matrix
Keyboard	55 Keys plus Arrow Key
LED	6 LED Indicators
Interface	RS-232C (D-Sub 9pin) USB 2.0 Type Mini-B (host/client)
Audio	Integrated Speaker and Microphone
Wireless Communication	Bluetooth Ver.1.2, Class 2 Wireless LAN 802.11 b/g
Dust/Water Protection	IP67 (IEC 60529)
Humidity	Up to 95% (non-condensing) (MIL-STD 810F Method 507.4)
Drop and Shock	1.2m drop on all faces (MIL-STD 810F Method 516.5 procedure IV)
Operating Temperature	-20 to +50ºC
Storage Temperature	-20 to +60ºC
Operating Time	40 hours (typical), Configuration Dependent
Charging Time	Approx. 3 hours
Removable Batteries	2 Li-ion Rechargeable Batteries, 2,500mAh each, 7.4V
Dimensions	W135 x H275 x D55 mm
Weight	1.04kg with 2 Batteries
Camera	
Image Sensor	5.17MP Color CMOS Sensor (4MP Processed) Auto-focus, Mechanical Shutter, Aperture and 4 LED Illunminators
Resolutions	QSXGA: 2048 x 1944, SXGA: 1280 x 960 VGA: 640 x 480, HF: 320 x 200
Regulatory Compliance	FCC Part 15 • CE • IC • RoHS WEEE • EU Battery Directive • C-Tick

SHC2500

- Windows CE.NET 5.0 operating system
- 624 MHz Xscale processor
- 256MB RAM, 2GB Flash Memory
- 55-key alphanumeric keyboard
- 8 way directional arrow and enter key
- Built-in wireless connectivity
- 5 megapixel camera and bar code reader
- Easy access USB port
- Accessible, rechargeable and removable batteries

Data Collection Software - Maximize the use of Sokkia's SHC2500 with Spectrum Survey Field

- 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