

## S4 SERIES: RUGGED HANDHELDS



### RUGGED, RELIABLE, HIGHLY PRODUCTIVE

STONEX S4 is the new family of Handheld by Stonex. Integrated devices, suitable for all the jobs where a rugged and high performances mobile PC is required.

The design process of S4 is permeated with a clear objective concept: to provide a high-accuracy handheld GPS system for faster data getting, longer time lasting and more applications than any other similar device in the daily work.

### WORK ALWAYS, IN EVERY WEATHER CONDITION

The S4 rugged and reliable design, combined with the IP65 Certification rating can withstand any harsh environment. STONEX S4 can be used in any situations wherever the field staff go. Complete product certifications and the advanced manufacturing process, ensure that the device is high-efficient steady and durable, it can bring an unprecedented experience even for GIS users.

### ADVANCED FEATURES IN ONE HAND

The embedded meter high-performance GPS receiver, the internal 5 megapixel autofocus HD camera, global communication facilities - GPRS modem, Wi-Fi and Bluetooth, are only a part of the Stonex S4 features.

The high-brightness TFT VGA 640x480 display, readable even in direct sunlight conditions, and the removable high-capacity lithium battery with power management chip, give Stonex S4 an excellent working capability for one working day. The internal removable battery lasts many hours of endurance GPS after a single charge.

### ADVANCED GPS FEATURES

S4 is compatible with the RTCM 2.X differential correction signals from CORS and GPS networks: in addition to the worldwide correction signals WAAS, EGNOS, GAGAN, MSAS, the positioning accuracy can be increased up to 1 m.



Wi-Fi, Bluetooth, GPRS modem,  
5 MP camera,  
voice call (S4C) and MMS,  
Mini waterproof USB connector,  
RS232 serial port



IP65 rating against dust and water sprayed from all directions

## KEY FEATURES

### EMBEDDED HIGH PERFORMANCES GPS RECEIVER

Real-time positioning accuracy of 2.5 m, provide a suite of modestly priced integrative solution for customers

### RTCM DIFFERENTIAL AND NMEA SUPPORT

Improve the positioning accuracy connecting to GPS network

### 5 MEGAPIXEL EMBEDDED CAMERA

For high quality images and videos

### IP65 CERTIFIED

Works in any harsh condition

### FULL COMMUNICATIONS SET

USB, RS232 serial port, Wireless LAN, Bluetooth 2.1 and TF card socket

### EXCELLENT SUNLIGHT READABLE DISPLAY

3.7" TFT VGA industrial high contrast display, readable under full sunlight from any viewing angle



## HARDWARE CONFIGURATION (S4 C/H)

### HARDWARE

Operation System	Windows Mobile 6.5
Processor	Marvell PXA-310 806 MHz Xscale CPU
RAM	256 MB
Internal Storage	4 GB+256 MB
External Storage	TF extensible to 32 GB
Sensor	Electronic compass (optional)

### BATTERY (RECHARGEABLE LITHIUM)

Battery Capacity	7.4 V, 1500 mAh, 11.1 Wh, Li-Ion
Working Hours	Endurance of 12 hours (two batteries)

### SIZE AND WEIGHT

Size	177 × 91 × 33 mm (L*W*D)
Weight	455 g (battery included)-S4C, 460 g-S4H

### ENVIRONMENT

Relative Humidity	5% ~ 95% non-condensing
Operating Temperature	-20°C to +60°C
Storage Temperature	-30°C to +70°C
Waterproof/Dustproof	IP65

### DISPLAY

Model	TFT colors, LED backlight
Resolution	480 × 640 VGA
Size	3.7 inch

### MECHANICAL SHOCK

Drop Test	1.2 m onto concrete
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### BUTTONS AND CONTROLS

Power key, Win key, ESC key, Numeric keys, Alphabetic keys, Symbol key, Left & Right soft key, Screen brightness control keys, Send & End key, Shift key (Shift F1 and F2, direction, tab and \*#), Camera key (only in S4H)

### INTERFACE AND INPUT

Multi-media	Integrated speaker, microphone and telephone receiver, support record and replay
Soft Key	Soft keyboard for numbers and symbols input
SIM Card	SIM card socket
External Power Supply	External power connector
TF Card	Micro SD card socket
Data Transfer Interface	USB connector, serial port, RS232 COM port

### PROTOCOL (NOT IN S4C)

RTCM	Support RTCM2.1, 2.3
CORS	Fully compatible with CORS and regional reference station VRS/NRS
NMEA	Data I/O, NMEA(GGA, GLL, RMC, GSA, GSV, VTG)

### STANDARD ACCESSORIES

Carton package, Adapter, USB cable, Battery, Handstrip, Stylus & string of pen, CD and Manual, Screen protector, Charger set

### DATA COMMUNICATION

USB	Mini waterproof USB Connector
Wireless	802.11 b/g Wireless LAN
Bluetooth	Bluetooth version 2.1+EDR

## ADDITIONAL FEATURES (S4 H)

### CAMERA

Static Mode	AutoFocus 5 MP
Image Format	JPG (2048x1536)
Video Mode	Up to VGA resolution

### DATA COMMUNICATION

Communication module	Internal quad-band global communication module
Multi-media	Multimedia message
Chipset	U-blox6t
Receiver	Single frequency GPS receiver
Channel	50 channels
System	GPS, SBAS
Update Rate	1 Hz
Cold Start	26 s
GPS	L1 frequency, C/A code
SBAS	WAAS/EGNOS/MSAS/GAGAN
RTCM/CMR Support	RTCM2.1, 2.3
NMEA-0183 Support	Available
CORS (VRS/NRS) Support	Available
Stand Alone Accuracy	1 - 3 m
RTK Accuracy	1.5 m

Specifications subject to change without notice



STONEX AUTHORIZED DEALER

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