

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 sub-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 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/M)

System Features	
Operating System	Windows Mobile 6.5
Processor	Marvell PXA-310 806 MHz Xscale CPU
RAM	256MB
Internal Storage	4GB+256MB (extensible to 32GB)
External Storage	TF extensible to 32GB
Sensor	Electronic compass (optional)
Power	
Battery	7.4V, 1500mAh, 11.1Wh, Li-Ion, removable, up to 8 hours continuous work
Size and Weight	
Size	177 × 91 × 33 mm (L*W*D)
Weight	550g (battery included)
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"

Buttons and Controls	
Power key, Win key, ESC key, Number key, Symbol key, Left&Right softkey, Camera key, Send&End key, Shift key (Shift F1 and F2,direction,tab and *#)	
Interface and Input	
Multi-media	Integrated speaker, microphone and cellular modem (S4H, S4M), support record and replay
Soft key	Soft keyboard for numbers and symbols input, support handwriting and pinyin input
Power supply	AC power supply
TF card	TF card socket
Data Transfer Interface	USB connector, serial port
Standard Accessories	
Carton package, Charger adapter, USB cable, Battery, Handstrap, Stylus pen with string, CD and Manual, Screen protector	
Mechanical Shock	
Drop Test	2.0m (6.6ft) onto concrete
Optional Accessories	
Charger set	
Data Communication	
USB	Mini waterproof USB Connector
Wireless	802.11b/g Wireless LAN
Bluetooth	Bluetooth version 2.1+EDR

ADDITIONAL FEATURES (S4 H/M)

Camera	
Static Mode	AutoFocus 5MP
Image Format	JPG (2048×1536)
Video Mode	Up to VGA resolution
Data Communication	
Cellular modem	Internal quad-band global communication module
Multi-media	Voice call and multimedia message
Receiver Performance	
Chipset	U-blox6
Receiver	Single frequency GPS receiver
Channel	50 channels
System	GPS, SBAS
Update Rate	1Hz
Time to first fix	32s
GPS	L1 frequency, C/A code
SBAS	WAAS/EGNOS/MSAS/GAGAN
SNR	≥45dB (more than 4 satellites)
RTCM/CMR Support	RTCM2.1, 2.3, differential
NMEA-0183 Support	Data I/O, NMEA(GGA, GLL, RMC, GSA, GSV, VTG)
CORS (VRS/NRS) Support	Fully compatible with CORS and regional reference station VRS/NRS
Positioning Accuracy	1 - 3m
RFID	13.56MHz (S4M)
Interface and Input	
SIM card	SIM card socket

Specifications subject to change without notice



STONEX AUTHORIZED DEALER

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