

# TECHNICAL FEATURES S4 SERIES

## 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

## ADDITIONAL FEATURES (S4 H)

CAMERA	
Static Mode	AutoFocus 5 MP
Image Format	JPG (2048×1536)
Video Mode	Up to VGA resolution

DATA COMMUNICATION	
Communication module	Internal quad-band global communication module
Multi-media	Voice call and 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



**GeoGIS Consultants**  
SURVEYING, GIS & REMOTE SENSING

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**STONEX AUTHORIZED DEALER**

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



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