STONEX

S4II

S4II: RUGGED HANDHELDS

RUGGED, RELIABLE, HIGHLY PRODUCTIVE

STONEX S4 II is the new entry in the Stonex rugged handheld family.
Integrated devices, suitable for all the jobs where a rugged and high performances Windows Mobile™ PC is required.
The concept of the design process of the new STONEX S4 II was to improve the features of the well know S4C/H in each component, and the goal was fully reached: faster, more rugged, improved GPS, memory expanded are just a short list of the improvements of S4 II.

WORK ALWAYS, IN EVERY WEATHER CONDITION

The S4 II rugged and reliable design, combined with the IP67 Certification rating can withstand any harsh environment.
STONEX S4 II can be used in any situation wherever the field staff goes. 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

STONEX S4 II features a powerful 72 channels GNSS (GPS, GLONASS/ BEIDOU, SBAS, QZSS) embedded receiver, one internal 5 megapixel autofocus HD camera, global communication facilities - GPRS quad band modem, Wi-Fi and Bluetooth, battery for 12 hours operating time.
The high-brightness 3.7" TFT Blanview VGA 640x480 display, readable even in direct sunlight conditions, and the removable high-capacity lithium smart battery with power management chip, give STONEX S4 II 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

STONEX S4 II supports RTCM 2.3 differential correction signals from CORS and GPS networks: in addition to the worldwide correction signals WAAS, EGNOS, GAGAN, MSAS, QZSS 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

KEY FEATURES

EMBEDDED HIGH PERFORMANCES GPS RECEIVER
Real-time positioning accuracy of 2.5 m, provide a suite of modestly priced integrative solution for GIS Users

RTCM DIFFERENTIAL AND NMEA SUPPORT
Improve the positioning accuracy connecting to GPS network

5 MEGAPIXEL EMBEDDED CAMERA
For high quality images and videos

IP67 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

STONEX

HARDWARE

Operating System	Windows Mobile 6.5
Processor	TI Sitara™ AM335x 1GHz
RAM	512MB
ROM	8GB (up to 32GB) SD expansion to 32GB

INTERFACE AND INPUT

Multi-media	Integrated speakers, microphone, telephone handset, support for recording and playback
Soft Key	Digital Soft keyboard character input, support handwriting and spelling input
External Power Supply	External power connector
SD Card Slot	Supports SD up to 32 GB
USB port, Serial port	Yes

DISPLAY

Model	Blanview TFT, LED Backlighted
Resolution	480 × 640 VGA
Size	3.7 inch

DATA COMMUNICATION

Bluetooth Device	2.1+EDR
WIFI	802.11 b/g Wireless LAN

POWER SUPPLY

Battery	Bp-5S, Li-Ion battery 7.4V - 3400 mAh (S9i/S4II C-H)
Working Time	Up to 12 hours[1]

PHYSICAL SPECIFICATIONS

Size	193 × 91 × 42 mm (L*W*D)
Weight	600 g (battery included)
Relative Humidity	5% ~ 95% non-condensing
Operating Temperature	-30°C to +60°C (-20°C)
Storage Temperature	-30°C to +70°C
Waterproof/Dustproof	IP67
Drop	Withstands 1.5m free drop onto hard surface

STANDARD ACCESSORIES

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

ADDITIONAL FEATURES S4 II H

CAMERA

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

GPS SPECIFICATIONS

Channels	72
Tracked Satellites	GPS/QZSS: L1 C/A code
	SBAS: L1 C/A code
	WAAS, EGNOS, MSAS
	GLONASS: L10F
	GALILEO: E1 B/C
	BeiDou: B1
Accuracy	Velocity accuracy: 0.05 m/s Position accuracy: 2.5 m Post processed 1.2 m

Max navigation Update Rate	4Hz
Cold Start	29s
SUPPORTED PROTOCOLS	Support RTCM 2.3, differential NMEA 0183 UBX binary, u-blox proprietary

DATA COMMUNICATION

Communication module	Built-in universal quad-band communication module (3.5G)
Multi-media	Multimedia message
Voice Calls	Included
SIM Card	SIM Card Socket

1. Depending on the activated devices

Specifications subject to change without notice

IP67 Wi-Fi CE RoHS2 2011/65/EU