

# S3 Handheld GPS Receiver



## Key Features

### Flexible

GPRS and wireless LAN modules allow easy connection to networks and others equipment

### Unique

Connecting to a barcode scanner RFID readers and portable printer via Bluetooth

### Powerful

3,5 inches touch screen display provides also good readability under intense sun light

### Complete

The long life removable and rechargeable battery allows data collection for a full working day, without the need for recharging.

### Easy to use

Thanks to the built-in gravity sensor S3 generates a sound signal when it is falling out from your bag

## S3 Handheld GPS Receiver GIS data Collector

GPS receiver Stonex S3 has an internal high sensitivity GPS module able to fix quickly the position in hostile environments such as forests or high-density urban centers. It supports standard NMEA protocol and a proprietary binary format for GPS data output.

Great platform for handheld applications. Working under Windows Mobile operating system, Stonex S3 is a powerful platform for mobile GIS, navigation and other applications requiring a compact field computer.

Windows Mobile 6.5 operating system includes standard software like Windows Mobile Office and e-mail, allowing a rapid exchange of data between an on field operator and the office.

The integrated 3 megapixels digital camera provides detailed documentation of the condition of an asset, while the integrated GPS receiver records the asset's location. Compatibility with high capacity micro SD cards enable storage of large quantity of data and background maps.

Data capabilities via cellular modem and high performance GPS receiver



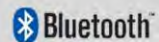
Wi-Fi, Bluetooth, GPRS modem, 3Mpx camera, Mini USB connector

Stonex S3 is the ideal device for applications such as environmental monitoring, management of land resources, assets inspections and other applications where high productivity is required. It has been specifically designed to optimize GPS data accuracy in difficult environments, such as under forest canopy and up against buildings, and to be transported without concern thanks to the gravity sensor that warns you if the device is falling out of your pocket.

## Technical features S3

Sistem	
Operating System	Microsoft Windows Mobile 6.5 Professional
CPU	600 Mhz
Gps	
Gps Type	20 channels, L1 frequency, C/A code
Hot Start	1s
Warm Start	35s
Cold Start	42 s
Stand Alone accuracy	<2.5 m (CEP, -130dBm)
SBAS accuracy	2.0 m
Post-processed accuracy <sup>1</sup>	Mean square error (SigmaH, SigmaU) ≤ 0.5m
Velocity Accuracy	<0.01 m/s (speed)
Heading Accuracy	< 0.01 °
Time Accuracy	1µs or less
Screen	
Screen	3.5' QVGA TFT, sunlight- readable color touch screen
Keyboard	Sunlight visible
Data Communication	
Storage	128 MB SDRAM,256MB Nand Flash
SD Slot	Micro SD
Port	Mini USB 2.0
Bluetooth	Bluetooth V.2.0, EDR
Size and Weight	
Dimension	179.5mm 91.2mm 31.2mm
Weight	250 g (without battery)
Power	
Battery	2800 mAh Li-ion Battery
Working Time	10 h (typical)
External Power	3.3V – 5V
Power Consumption	0.5 W
Environment	
Working Temperature	-10 C + 60 C
Storage temperature	-30 C + 70 C
Shock	1.5m drops to concrete
Waterproof/dustproof	IEC 529-IP66
Extension	
Camera	3 Mpx
S3 Standard Configuration	
S3 Receiver	PDA+ GPS Unit
Battery	2800 mAh Battery
Charger	Battery Charger / car battery charger
Cable	Mini USB cable
Touching pen	Stylus
Plug	Charger adapter with power plugs (AU US EU UK)
Antenna	External GPS antenna

Specifications subject to change without notice.



<sup>1</sup> Typical values. Performance specifications subject to GPS system characteristics, ionospheric and tropospheric conditions, satellite geometry, multipath effects and the presence of intentional or unintentional interference sources.

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