

# MAPSY

*mobile applications system for geomatics*

**MAPSY** is a mobile mapping and GIS product for field based geographic data processing applications running on the PDA for *bridging the digital divide*, Simputer™. Interfaced to a GPS receiver **MAPSY** provides a hand-held, mobile computing platform offering solutions to field workers for geographic data creation, land surveys, resource mapping, navigation, vehicle tracking, assets management, etc. User interaction is through an icon based, intuitive GUI.



## **System Requirements**

Encore Simputer™ model:  
StrongArm processor, min.  
32 MB SDRAM, min. 32 MB  
flash, 240x320 LCD colour  
display with backlight, USB  
port, cradle mounted NMEA  
0183 compatible GPS  
receiver  
Linux kernel 2.4.18, GTK+,  
NMEA compatible GPS  
driver

## **Product Suite**

- Offers a product suite for geomatics applications on the Simputer
- You may pick and choose modules from the product suite to suit your requirements

## **MAPSY Core**

- Base product
- GIS for field based geomatics applications running on the PDA, Simputer

## **MAPSY GPS**

- GPS enabled field GIS product
- MAPSY Core with additional module for interfacing to embedded GPS receiver of Simputer

## **MAPSY Surveyor**

- Field GIS for geographic data surveys and map creation on the field
- GPS as data source for creating spatial features
- MAPSY GPS with additional modules for map creation from GPS data on the field
- Works without any map data being loaded on the device before a field trip

## **MAPSY Gateway**

- Back-office data exchange product running on Intel Windows platforms
- Generates binary compatible MAPSY geographic database for Simputer
- Data exchange formats: DVD1, DGN, Shape and Arc/Info ungenerated ASCII

## **Forthcoming Products**

- Add-on Wireless module: GSM, CDMA
- Add-on Georeferencer: field based georeferencing of vector and raster maps
- MAPSY Pathfinder: vertical segment product for GPS based road navigation in Indian cities

Contact:

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