

# MobileMapper<sup>®</sup> 10

BLADE<sup>™</sup>  
TECHNOLOGY  
INSIDE



Your GIS Accuracy Enabler



EASY  
AFFORDABLE  
ACCURATE

COMPLETE



# MobileMapper 10

## MobileMapper 10

Geographical Information Systems and Location Based Services are strongly penetrating a wide range of applications and organizations. The growing need for geo-localization is naturally boosting the demand for efficient and affordable data collection solutions. Ashtech® is leading the GNSS democratization to enable a wider access to professional mapping. Today with MobileMapper 10, Ashtech makes it possible to massively deploy a professional accurate GIS receiver to any field work force.

Compact and lightweight, MobileMapper 10 is a complete, easy to use mapping solution for real-time collection of meter accurate data.

With MobileMapper 10, organizations will improve the quality of their geo-referenced information and their productivity with direct positive impact on operational costs.

### Boost Your Mapping Productivity

- Log your assets in real-time with meter accuracy
- Connect field and office work force for maximum proactivity
- Reach sub-half meter accuracy with post-processing

### Unpack and Start Logging

- Ready to use complete mapping solution for field and office
- User friendly Windows® Mobile 6.5
- Easy-to-use software for short learning curve and quick logging operations

### Made For Mobile GIS Work Force

- Compact & lightweight design for optimal mobility, use and comfort
- Integrated communications for easy data transfer
- Only receiver offering several days of battery life
- Ruggedized for outdoor use



## MobileMapper Field and Office Software

### A complete solution

The Ashtech MobileMapper software suite includes all GIS features that professionals really need without the burden of complicated and rarely used functions, both on field and office sides.

Running on MobileMapper receivers, MobileMapper Field is the perfect solution for GIS data collection, asset management, area measurements, maps creation and updates. The software is very intuitive and easy-to-use, requiring minimum training. It also provides direct interface to external sensors for a complete field solution.

The Ashtech MobileMapper Office tool can be used to differentially post-process raw GPS data collected with the MobileMapper Field software. Through an Internet connection, MobileMapper Office can automatically find and download the base data files that will match the collected raw data; it will compute corrected positions automatically.



## Tune MobileMapper 10 To Your Applications

With Windows Mobile 6.5 you may upload necessary utilities or software on your MobileMapper 10, to suit your next job. You can collect GIS/GPS points and maps via the GIS application of your choice, either a third-party software such as ESRI® ArcPad® or the proprietary Ashtech application.

# MobileMapper 10 Technical Specifications\*

## GNSS Characteristics

- Internal antenna: 20 channels
  - GPS L1 C/A
  - SBAS: WAAS/EGNOS/MSAS
- External antenna connector
- NMEA output

## Accuracy Specifications (Horizontal RMS)<sup>1</sup>

- Real-time SBAS: < 2 m typical
- Post-processed: < 50 cm typical

## Processor

- ARM9™
- Clock frequency: 600 MHz

## Operating System

- Microsoft® Windows Mobile 6.5
- Languages available: English, French, German, Italian, Japanese, Korean, Portuguese, Spanish, Simplified & Traditional Chinese<sup>2</sup>
- Software package includes:
  - Internet Explorer®
  - Office Mobile
  - ActiveSync®
  - Transcriber (handwriting recognition)

## Communications

### Cellular

- Built in GSM/GPRS
- Quad band 850/900MHz, 1800/1900 MHz

### Bluetooth

- Bluetooth 2.1 with EDR

### WiFi

- Integrated

### Interface

- USB

## Physical Characteristics

### Size

- 169x88x25 mm

### Weight

- 380g with battery (310g without)

## User Interface

### Keyboard

- 4-way navigation, menu, contextual keys
- Illuminated keyboard with touch screen
- Virtual keyboard

### Display

- Color TFT High resolution display sunlight readable with touch screen, LED backlight.
- Size: 3.5"
- Colours: 262k

## Memory

- 128 MB SDRAM
- Storage: 256 MB NAND Flash (non volatile)
- MicroSDHC™ memory card (up to 8GB, SanDisk®, Kingston® recommended)

## Environmental Characteristics

- Operating temperature:
  - 10° to +60°C (14 to 140°F)
- Storage temperature:
  - 30° to +70°C without battery (-13 to 158°F)
- Humidity: 95% non condensing
- Waterproof: IP54
- Free drop: 1.2 m on concrete

## Power Characteristics

- Battery life: > 20 hrs @ 20 °C with GPS on<sup>3</sup>
- Charging time: 4 hours
- Removable battery

## Multimedia & Sensors

- Camera 3M Pixels
- E-Compass
- G-Sensor
- Speaker
- Microphone

## Software Options

- Ashtech MobileMapper Field and Office software
- Post-processing
- ESRI ArcPad software bundle (USA only)

## Standard Accessories

- Stylus
- Hand-strap
- A/C charger
- USB cable

## Optional Accessories:

- External magnetic GPS antenna
- Pole bracket

<sup>(1)</sup> Handheld accuracy performance achieved in good conditions (open sky) with PDOP <3 and more than seven satellites in view.

<sup>(2)</sup> To be specified when ordering – no further OS language modification is possible.

<sup>(3)</sup> GPS on, no Bluetooth or WiFi are used, backlight used 20% of the time at minimal settings.

<sup>(\*)</sup> Including available options.



## Become a Solutions Partner

Ashtech is actively recruiting Solutions Partners worldwide and focused on customer needs for complete and dedicated GPS/GIS solutions. As a third-party developer and partner, you will be able to take advantage of the Solutions Partner Software Libraries, including various development tools. Contact us today to learn how you can easily integrate your GIS software and hardware with MobileMapper products to build valuable solutions for your customers.

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