Specifications

**MEMORY**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Surveyor</th>
<th>Surveyor+</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAM</td>
<td>64 MB</td>
<td>128 MB</td>
</tr>
<tr>
<td>Data Storage</td>
<td>512 MB</td>
<td>1 GB</td>
</tr>
<tr>
<td>Data Storage Expansion</td>
<td>No</td>
<td>MicroSD memory card behind 2nd battery</td>
</tr>
</tbody>
</table>

**PROCESSOR**

Type: PXA270

Maximum Clock Speed: 520 MHz/Surveyor; 624 MHz/Surveyor+

Both include:
- Real Time Clock
- Battery Warm Swapping Ability
- Microphone
- Speaker

**DISPLAY**

Type: TFT

Resolution (240x320 pixels): QVGA

Color/Mono: Color

Size: 3.5” diagonal

Both also include:
- Backlight (LCD)
- Touchscreen
- Ability to disable Touchscreen from keyboard

**OPERATING SYSTEM — WM 6.1**

Languages: English, Simplified Chinese, Portuguese, French, German, Spanish

Applications included: All standard WM6 applications (Word Mobile, Excel Mobile, Outlook Mobile, etc.)

Bluetooth Audio: A2DP supported

Speed Switch Utility: Sets processor clock speed to conserve battery

**INTERFACE (I/O CONNECTOR)**

RS-232 9 pin D: Two DB-9

Bluetooth: 2.0 w EDR

802.11 b/g: Yes for Surveyor+; No for Surveyor

USB Client: Mini-B connector

USB Host: Full-size USB connector

**EXPANSION (Surveyor+ only)**

MicroSD Card Slot

Expansion Packs for GPS, cell modem, Cirronet radio, Maxstream radio, Futaba radio

**BATTERY**

Battery Type: Lilon

Battery Packs: Come standard with one (1) battery pack; user can add a second battery pack

Battery Capacity: 3900 mAH (7800 mAH capacity reached when using two battery packs)

Battery Life: 8-10 hours standard (battery life is determined by the number of battery packs used, by the amount of time the backlight is on, the backlight brightness and the type of expansion pack installed)

Charging Plug: Included

Vehicle Charge Adapter: Included

Warm Swapping: Included

**ENVIRONMENTAL**

Operating Temperature: 20C to +50C

Storage Temperature: -30C to +60C

Humidity: MIL-STD-810F (Designed to this standard)

Water Resistance: IP67

Shock Resistance: MILSTD 810F (Designed to withstand 5-foot drop onto concrete)

Dust Resistance: IP67

**ENCLOSURE**

Dimensions: 10.2” x 5” x 1.5”

Weight: ~ 2 lbs.

Both include:
- Handstrap
- Full-size Stylus
- Stylus Storage
- Tripod Hook
- Magnesium enclosure with elastomer end caps

**WARRANTY**

- Electronics: 24 months
- Battery: 6 months
- Accessories: 6 months

**ACCESSORIES**

Wall Charger with choice of adapter

Stylus Screen Protectors

Battery Pack – Standard

Vehicle Charger

External Battery Charger

**EXPANSION PACKS (For Surveyor+ only)**

Spread Spectrum Radio – 900 Mhz

Spread Spectrum Radio – 2.4 Ghz

3G Cellular Modem – GSM