

Technical Specifications

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

KEYBOARD

Type: Elastomer
Navigation: 9-way (9) navigation pad with center enter
Numeric Keys: 0-9 (10)
Alpha Keys: A-Z (26)
Command/Modifier Keys: 10 – Shift, Tab, Control, 2nd, Escape, Alt, Space, Backspace, Delete
Enter Key: Large, easy to use both right- and left-handed
Left & Right Soft Function Key: Left Soft
Function key loads SurvCE
Windows Key: Displays the Start Menu
Power Key
Backlit Control Keys: Alt-Yellow, 2nd-Blue, Control-Green, Shift-Red
LED Enunciators/ Notification: 2 – One LED displays charging status and the second one can be programmed by the application software
Number of keys: 52

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
Styli 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